

BIO KEY INTERNATIONAL INC  
Form POS AM  
September 28, 2006

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As filed with the Securities and Exchange Commission on September 28, 2006

Registration No. 333-120104

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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**POST-EFFECTIVE AMENDMENT NO. 3  
TO  
FORM SB-2**

**REGISTRATION STATEMENT  
UNDER  
THE SECURITIES ACT OF 1933**

**BIO-key International, Inc.**

*(Exact name of registrant as specified in its charter)*

**Delaware**  
*(State of incorporation)*

**3577**  
*(Primary Standard Industrial  
Classification Code Number)*

**41-1741861**  
*(I.R.S. Employer  
Identification No.)*

**3349 Highway 138, Building D, Suite B, Wall, NJ 07719, (732) 359-1100**  
*(Address and telephone number of registrant's principal executive offices)*

**Michael W. DePasquale**  
**Chief Executive Officer**  
**BIO-key International, Inc., 3349 Highway 138, Building D, Suite B, Wall, NJ 07719, (732) 359-1100**  
*(Name, address and telephone number of agent for service)*

*Copy to:*

**Charles J. Johnson, Esq.**  
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**Approximate date of commencement of proposed sale to public:** From time to time after this registration statement becomes effective.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, as amended, or the Securities Act, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

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If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If delivery of the prospectus is expected to be made pursuant to Rule 434, please check the following box.

### Calculation of Registration Fee

Title of each class of securities to be registered	Number of units to be registered(1)	Proposed maximum aggregate offering price per unit(2)	Proposed maximum aggregate offering price(2)	Amount of registration fee(3)
Common Stock, \$.0001 par value per share, issuable upon conversion of secured convertible term notes	4,380,440 shares(4)	\$0.97	\$4,249,027	\$534
Common Stock, \$.0001 par value per share, issuable upon exercise of warrants	1,122,222 shares(5)	\$0.97	\$1,088,556	\$138
Common Stock, \$.0001 par value per share, issuable upon conversion of subordinated convertible term notes	6,739,380 shares(6)	\$0.97	\$6,537,199	\$565
Common Stock, \$.0001 par value per share, issuable upon exercise of warrants	1,099,997 shares(7)	\$0.97	\$1,066,997	\$136
Common stock, \$.0001 par value per share, issuable upon exercise of warrants	110,000 shares(8)	\$0.97	\$106,700	\$13
Common stock, \$.0001 par value per share, issuable upon exercise of warrants	444,000 shares(9)	\$0.97	\$430,680	\$51

- (1) Pursuant to Rule 416 under the Securities Act, this registration statement also covers an indeterminate number of additional shares of the registrant's common stock as may be issuable upon any stock split, stock dividend or similar transaction.
- (2) Estimated pursuant to Rule 457(c) under the Securities Act solely for the purpose of calculating the registration fee, based upon the average of the high and low sale prices of the registrant's common stock as reported on the OTC Bulletin Board on October 26, 2004, a date within five days of the original filing date of this registration statement.
- (3) The registration fee has been previously paid by the registrant.
- (4) Shares of the registrant's common stock issuable upon conversion of secured convertible term notes issued pursuant to a securities purchase agreement dated as of September 29, 2004.
- (5) Shares of the registrant's common stock issuable upon the exercise of warrants issued pursuant to a securities purchase agreement dated as of September 29, 2004.
- (6) Shares of the registrant's common stock issuable upon conversion of subordinated convertible term notes issued pursuant to a securities purchase agreement dated as of September 29, 2004.
- (7) Shares of the registrant's common stock issuable upon the exercise of warrants issued pursuant to a securities purchase agreement dated as of September 29, 2004.
- (8) Shares of the registrant's common stock issuable upon the exercise of warrants issued from time to time to certain consultants and advisors to the registrant.

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- (9) Shares of the registrant's common stock issuable upon the exercise warrants issued to Jesup & Lamont Securities Corp. and certain of its employees.

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The registrant hereby amends this registration statement on such date or dates as may be necessary to delay its effective date until the registrant shall file a further amendment which specifically states that this registration statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933 or until the registration statement shall become effective on such date as the Commission acting pursuant to said Section 8(a), may determine.

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**Subject to completion, dated September 28, 2006**

PROSPECTUS

**13,896,038 Shares**  
**BIO-key International, Inc.**

**Common Stock**

We are registering up to 13,896,038 shares of our common stock for offer or sale by the selling security holders named in this prospectus. Of the shares being registered, 11,119,819 shares are issuable upon conversion of convertible term notes issued to certain of the selling security holders and 2,776,219 shares are issuable upon exercise of warrants issued to certain of the selling security holders. The selling security holders may offer or sell all or a portion of their shares publicly or through private transactions at prevailing market prices or at negotiated prices. We will not receive any proceeds from the shares being registered for offer and sale by the selling security holders. We will, however, receive proceeds from the exercise price of certain warrants held by the selling security holders to the extent that such warrants are exercised.

**Investing in our common stock involves a high degree of risk.  
See "Risk Factors" beginning on page 4.**

Our common stock is traded on the OTC Bulletin Board under the symbol "BKYI." The last reported sale price of our common stock on September 18, 2006 was \$0.47 per share.

In addition to the shares being registered for offer or sale by the selling security holders under this prospectus, the registrant is also concurrently conducting three other separate offerings under additional prospectuses, specifically, a separate offering of up to 11,777,191 shares is being concurrently conducted by the registrant by means of a prospectus dated as of July 24, 2006, another separate offering of up to 15,755,500 shares is being concurrently conducted by the registrant by means of a prospectus dated as of July 8, 2004 (as amended), and another separate offering of up to 25,164,046 shares is being concurrently conducted by the registrant by means of a preliminary prospectus dated as of September 11, 2006.

**Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the accuracy or adequacy of this prospectus. Any representation to the contrary is a criminal offense.**

**September , 2006**

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## TABLE OF CONTENTS

	<b>Page</b>
PROSPECTUS SUMMARY	1
RISK FACTORS	4
FORWARD-LOOKING STATEMENTS	13
USE OF PROCEEDS	14
MARKET FOR OUR COMMON STOCK AND RELATED STOCKHOLDER MATTERS	15
MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS	16
DESCRIPTION OF THE BUSINESS	52
DESCRIPTION OF PROPERTY	62
LEGAL PROCEEDINGS	62
MANAGEMENT	63
EXECUTIVE COMPENSATION	66
CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS	69
SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT	70
DESCRIPTION OF SECURITIES	73
ACQUISITION OF AETHER MOBILE GOVERNMENT	75
FINANCING TRANSACTIONS	76
SELLING SECURITY HOLDERS	86
PLAN OF DISTRIBUTION	92
DISCLOSURE OF COMMISSION POSITION OF INDEMNIFICATION FOR SECURITIES ACT LIABILITIES	94
EXPERTS	94
WHERE YOU CAN FIND ADDITIONAL INFORMATION	95
FINANCIAL STATEMENTS	F-1

You should rely only on the information contained in this prospectus. We have not authorized anyone to provide you with information that is different. This prospectus may only be used where it is legal to sell these securities. The information in this prospectus may only be accurate on the date of this prospectus, regardless of the time of delivery of this prospectus or of any sale of our common stock. Applicable rules of the Securities and Exchange Commission may require us to update this prospectus in the future.

**PROSPECTUS SUMMARY**

Effective January 1, 2005, BIO-key International, Inc., a Minnesota corporation ("Old BIO-key") and the original registrant under this Registration Statement, reincorporated as BIO-key International, Inc., a Delaware corporation (the "Company," "BIO-key," "we" or "us"). The reincorporation was effected pursuant to an Agreement and Plan of Merger (the "Merger Agreement"), whereby Old BIO-key was merged with and into the Company, its wholly owned subsidiary, in order to reincorporate in the State of Delaware (the "Reincorporation"). As a result of the Reincorporation, the legal domicile of the registrant is now Delaware.

Pursuant to the Merger Agreement, at the effective time of the Reincorporation: (i) each outstanding share of Common Stock of Old BIO-key, \$0.01 par value per share, was automatically converted into one share of Common Stock, \$0.0001 par value per share, of the Company; (ii) each outstanding share of Series C 7% Convertible Preferred Stock of Old BIO-key, \$0.01 par value per share, was automatically converted into one share of Series A 7% Convertible Preferred Stock, \$0.0001 par value per share, of the Company, with such Series A 7% Convertible Preferred Stock containing substantially identical terms and conditions as the Series C 7% Convertible Preferred Stock of Old BIO-key; (iii) each option to purchase shares of Old BIO-key's Common Stock granted by Old BIO-key under any warrant, stock option plan or similar plan of Old BIO-key outstanding immediately before the Reincorporation was, by virtue of the Merger Agreement and without any action on the part of the holder thereof, converted into and become an option to purchase, upon the same terms and conditions, the same number of shares of the Company's Common Stock at an exercise price per share equal to the exercise price per share thereunder immediately before the Reincorporation; and (iv) each warrant, option or stock option plan of Old BIO-key was assumed by, and continues to be, a warrant, option or plan of the Company. Accordingly, as a result of the Reincorporation, the shareholders of Old BIO-key became shareholders of the Company, and Old BIO-key has been merged out of existence by operation of law. Each certificate representing shares of capital stock of Old BIO-key outstanding immediately before the Reincorporation will, from and after the Reincorporation, be deemed for all corporate purposes to represent the same number of shares of capital stock of the Company.

In accordance with Rule 414(d) under the Securities Act, the Company, as successor issuer to Old BIO-key, has expressly adopted this Registration Statement as its own for all purposes under the Securities Act and the Securities Exchange Act of 1934. The Registration Statement shall hereafter be deemed to relate to that number of shares of the Company's Common Stock to which this Registration Statement originally related.

**About BIO-key International, Inc.**

BIO-key International, Inc., a Delaware corporation (the "Company," "BIO-key," "we," or "us), was founded in 1993 to develop and market proprietary biometric technology and software solutions. Biometric technology is the science of analyzing specific human characteristics which are unique to each individual in order to identify a specific person from a broader population.

On March 30, 2004, BIO-key acquired Public Safety Group, Inc. (PSG), a privately held company that is a leader in wireless solutions for law enforcement and public safety markets. PSG's primary technology is PocketCop , a handheld solution that provides mobile officers, such as detectives who are not typically in their vehicles, a hand-held mobile information software solution.

On September 30, 2004, BIO-key completed a transaction with Aether Systems, Inc. to purchase its Mobile Government Division ("Mobile Government" or "AMG"), a leading provider of wireless data solutions for use by public safety organizations, primarily state, local police, fire and rescue and emergency medical services organizations. The PacketCluster mobile information software is integrated with 50 separate State/NCIC databases, as well as other state, local and federal databases. Its open architecture and its published Application Programming Interface (API) make it easy to interface with

a wide range of information sources. PacketCluster products deliver real-time information in seconds, freeing dispatchers to handle more pressing emergencies.

Effective January 1, 2005, BIO-key International, Inc., a Minnesota corporation ("Old BIO-key"), reincorporated in the State of Delaware. The reincorporation was effected pursuant to an Agreement and Plan of Merger (the "Merger Agreement") whereby Old BIO-key was merged with and into the Company, its wholly owned subsidiary, in order to reincorporate in the State of Delaware (the "Reincorporation"). As a result of the Reincorporation, the legal domicile of the Company is now Delaware.

Pursuant to the Merger Agreement, at the effective time of the Reincorporation: (i) each outstanding share of Common Stock of Old BIO-key, \$0.01 par value per share, was automatically converted into one share of Common Stock, \$0.0001 par value per share, of the Company; (ii) each outstanding share of Series C 7% Convertible Preferred Stock of Old BIO-key, \$0.01 par value per share, was automatically converted into one share of Series A 7% Convertible Preferred Stock, \$0.0001 par value per share, of the Company, with such Series A 7% Convertible Preferred Stock containing substantially identical terms and conditions as the Series C 7% Convertible Preferred Stock of Old BIO-key; (iii) each option to purchase shares of Old BIO-key's Common Stock granted by Old BIO-key under any warrant, stock option plan or similar plan of Old BIO-key outstanding immediately before the Reincorporation was, by virtue of the Merger Agreement and without any action on the part of the holder thereof, converted into and become an option to purchase, upon the same terms and conditions, the same number of shares of the Company's Common Stock at an exercise price per share equal to the exercise price per share thereunder immediately before the Reincorporation; and (iv) each warrant, option or stock option plan of Old BIO-key was assumed by, and continues to be, a warrant, option or plan of the Company. Accordingly, as a result of the Reincorporation, the shareholders of Old BIO-key became shareholders of the Company, and Old BIO-key has been merged out of existence by operation of law. Each certificate representing shares of capital stock of Old BIO-key outstanding immediately before the Reincorporation, is deemed from and after the Reincorporation for all corporate purposes to represent the same number of shares of capital stock of the Company.

As a result of these recent mergers, and as discussed in Note M to the Consolidated Financial Statements included in this prospectus, we have organized the Company into three reporting segments: Law Enforcement, Fire Safety and Biometrics. During 2005, the Company continued to integrate the products, operations and technologies acquired from Public Safety Group, Inc. and Aether Systems, Inc.

We have evolved from a development stage company to a revenue generating company, but we have sustained substantial losses to date. We may need to obtain additional funding to (i) conduct the sales, marketing and technical support necessary to execute our plan to substantially grow operations, increase revenue and serve a significant customer base, and (ii) provide working capital. Due to, among other factors, our history of losses and limited revenue, our independent auditors have included an explanatory paragraph in their opinion for the year ended December 31, 2005 as to the substantial doubt about our ability to continue as a going concern. Our long-term viability and growth will depend upon the successful commercialization of our technologies and our ability to obtain adequate financing. To the extent that we require such additional financing, no assurance can be given that any form of additional financing will be available on terms acceptable to us, that adequate financing will be obtained to meet our needs, or that such financing would not be dilutive to existing stockholders. If available financing is insufficient or unavailable or we fail to continue to generate meaningful revenue, we may be required to further reduce operating expenses, delay the expansion of operations, or be unable to pursue merger or acquisition candidates.

Our principal executive offices are located at 3349 Highway 138, Building D, Suite B, Wall, NJ 07719 and our telephone number is (732) 359-1100.

### About the Offering

This prospectus covers the public resale of up to 13,896,038 shares of our common stock to be sold by the selling security holders identified herein. 4,380,440 shares of our common stock covered by this prospectus are issuable upon conversion of secured convertible term notes in the aggregate principal amount of \$5,050,000, together with accrued interest and fees due thereon, issued to Laurus Master Fund, Ltd. and other institutional and accredited investors pursuant to a Securities Purchase Agreement dated as of September 29, 2004 (the "Senior Purchase Agreement") by and among the Company and such investors. 1,122,222 shares of our common stock covered by this prospectus are issuable upon exercise of warrants issued to the investors party to the Senior Purchase Agreement. 6,739,380 shares of our common stock covered by this prospectus are issuable upon conversion of subordinated convertible term notes in the aggregate principal amount of \$4,950,000, together with accrued interest and fees due thereon, issued to The Shaar Fund Ltd. and other institutional and accredited investors pursuant to a Securities Purchase Agreement dated as of September 29, 2004 (the "Subordinated Purchase Agreement") by and among the Company and such investors. 1,099,997 shares of our common stock covered by this prospectus are issuable upon exercise of warrants issued to the investors party to the Subordinated Purchase Agreement. 10,000 shares of our common stock covered by this prospectus are issuable upon the exercise of a warrant issued by the Company to Kreiger & Prager, LLP on November 26, 2001 in consideration for legal advisory services performed by Kreiger & Prager LLP in connection with the recapitalization of the Company's then outstanding convertible debt and equity securities that occurred on November 26, 2001. 100,000 shares of our common stock covered by this prospectus are issuable upon the exercise of a warrant issued by the Company to The November Group, Ltd. on July 15, 2004 in connection with certain consulting services performed by The November Group, Ltd. with respect to the Company's business development and strategic initiatives. The remaining 444,000 shares of our common stock covered by this prospectus are issuable upon the exercise of warrants issued by the Company to Jesup & Lamont Securities Corp. and certain of its employees on March 31, 2004, which warrants represent a portion of fees earned by Jesup & Lamont Securities Corp. for acting as financial advisor and placement agent in connection with the private placement financing transaction that occurred on March 31, 2004, resulting in approximately \$12,000,000 in aggregate gross proceeds to the Company.



## RISK FACTORS

*An investment in our common stock involves a high degree of risk. You should carefully consider the following information about certain of the risks of investing in our common stock, together with other information contained in this prospectus, before you decide to purchase our common stock.*

### Business and Financial Risks

**Based on our lack of significant revenue since inception and recurring losses from operations, our auditors have included an explanatory paragraph in their opinion as to the substantial doubt about our ability to continue as a going concern.**

Due to, among other factors, our history of losses (excluding gains from valuation changes in embedded derivatives) and limited revenue, our independent auditors have included an explanatory paragraph in their opinion for the year ended December 31, 2005 as to the substantial doubt about our ability to continue as a going concern. Our financial statements have been prepared in accordance with accounting principals generally accepted in the United States, which contemplate that we will continue to operate as a going concern. Our financial statements do not contain any adjustments that might result if we are unable to continue as a going concern.

**Since our formation, we have historically generated minimal revenue and have sustained substantial operating losses.**

As of June 30, 2006, we had negative working capital of approximately \$11,268,000 and an accumulated deficit of approximately \$47,757,000. Since our inception, we have focused almost exclusively on developing our core technologies and, until the fourth quarter of 2004 have not generated any significant revenue. In order to increase revenue, we have developed a direct sales force and anticipate the need to retain additional sales, marketing and technical support personnel and may need to incur substantial expenses. We cannot assure you that we will be able to secure these necessary resources, that a significant market for our technologies will develop or that we will be able to achieve our targeted revenue.

**We have identified material weaknesses in our internal control over financial reporting and have failed to maintain an effective system of disclosure controls and procedures. If we are unable to successfully address such material weaknesses or if we continue to maintain an ineffective system of disclosure controls and procedures, we may not be able to accurately report our financial results or prevent fraud. As a result, current and potential stockholders could lose confidence in our financial reporting; this would harm our business and the trading price of our common stock.**

After a review of our March 31, 2005, June 30, 2005, September 30, 2005, March 31, 2006 and June 30, 2006 quarterly operating results, as well as our 2005 annual operating results, conducted pursuant to Rules 13a-15 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), our Chief Executive Officers and Chief Financial Officer ("CFO") have determined that, as of each such date, our disclosure controls and procedures were not effective to provide reasonable assurance that information that we are required to disclose in reports that we file or submit under the Exchange Act is recorded, processed, summarized and reported within the time periods specified by the Securities and Exchange Commission rules and forms. Our management reached this conclusion after identifying our system to capture disclosure items, our internal process of review for account reconciliations, our documentation of internal controls and our internal process for preparing our annual report on Form 10-KSB for the fiscal year ended December 31, 2005 as being inadequate to provide such assistance.

In order to ensure that the Company adequately addresses all existing internal control issues, the Company initiated follow-up discussions with its former auditors to better determine what constituted

these material weaknesses. During these discussions, the auditors and the Company identified the following weaknesses in the Company's internal controls: an inadequate system to capture disclosure items, an inadequate internal process of review for account reconciliations, an inadequate documentation of internal controls and an inadequate internal process around drafting of periodic filings with the Securities and Exchange Commission.

Effective internal control over financial reporting and disclosure controls and procedures are necessary for us to provide reliable financial reports and effectively prevent fraud and to operate successfully as a public company. We have in the past discovered, as described above, and may in the future discover, areas of our disclosure and internal controls that need improvement. We are in the process of addressing these issues to ensure that our internal control over financial reporting and disclosure controls and procedures are improved so as to provide reasonable assurance that the information we are required to disclose in reports that we file or submit under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange rules and forms. If, however, we cannot provide reliable financial reports or prevent fraud, our reputation and operating results would be harmed.

We cannot be certain that our efforts to improve the material weaknesses in our internal control over financial reporting and the ineffectiveness of our disclosure controls and procedures will be successful or that we will be able to maintain adequate controls over our financial processes and reporting in the future. We will need to commit substantial resources, including substantial time from our management team's accounting personnel and from external consultants, to implement and integrate into our organization improved disclosure controls and additional procedures generally and to improve systems to report financial information on a timely basis. Any failure or delay to develop or maintain effective controls, or difficulties encountered in their implementation or in other effective improvement of our internal and disclosure controls could materially harm our operating results or cause us to fail to meet our reporting obligations. If we are unable to adequately establish or improve our internal controls over financial reporting, our external auditors may not be able to issue an unqualified opinion on the effectiveness of our internal controls. Ineffective internal and disclosure controls could also cause investors to lose confidence in our reported financial information, which would likely have a significant negative effect on the trading price of our securities.

**Our biometric technology has yet to gain widespread market acceptance and we do not know how large of a market will develop for our technology.**

Biometric technology has received only limited market acceptance, particularly in the private sector. Our technology represents a novel security solution and we have not yet generated significant sales. Although recent security concerns relating to identification of individuals has increased interest in biometrics generally, it remains an undeveloped, evolving market. Biometric based solutions compete with more traditional security methods including keys, cards, personal identification numbers and security personnel. Acceptance of biometrics as an alternative to such traditional methods depends upon a number of factors including:

the reliability of biometric solutions;

public perception regarding privacy concerns;

costs involved in adopting and integrating biometric solutions.

For these reasons, we are uncertain whether our biometric technology will gain widespread acceptance in any commercial markets or that demand will be sufficient to create a market large enough to produce significant revenue or earnings. Our future success depends, in part, upon business customers adopting biometrics generally, and our solution specifically.

**Biometric technology is a new approach to Internet security which must be accepted in order for our WEB-key® solution to generate significant revenue.**

Our WEB-key® authentication initiative represents a new approach to Internet security which has been adopted on a limited basis by companies which distribute goods, content or software applications over the Internet. The implementation of our WEB-key® solution requires the distribution and use of a finger scanning device and integration of database and server side software. Although we believe our solution provides a higher level of security for information transmitted over the Internet than existing traditional methods, unless business and consumer markets embrace the use of a scanning device and believe the benefits of increased accuracy outweigh implementation costs, our solution will not gain market acceptance.

**Our software products may contain defects which will make it more difficult for us to establish and maintain customers.**

Although we have completed the development of our core biometric technology, it has only been used by a limited number of business customers. Despite extensive testing during development, our software may contain undetected design faults and software errors, or "bugs" that are discovered only after it has been installed and used by a greater number of customers. Any such default or error in new or existing software or applications could cause delays in delivering our technology or require design modifications. These could adversely affect our competitive position and cause us to lose potential customers or opportunities. Since our technologies are intended to be utilized to secure physical and electronic access, the effect of any such bugs or delays will likely have a detrimental impact on us. In addition, given that biometric technology generally, and our biometric technology specifically, has yet to gain widespread acceptance in the market, any delays would likely have a more detrimental impact on our business than if we were a more established company.

While we have commenced a significant sales and marketing effort, we have only begun to develop a significant distribution channel and may not have the resources or ability to sustain these efforts or generate any meaningful sales.

**In order to generate revenue from our biometric products, we are dependent upon independent original equipment manufacturers, system integrators and application developers, which we do not control. As a result, it may be more difficult to generate sales.**

We market our technology through licensing arrangements with:

Original equipment manufacturers, system integrators and application developers which develop and market products and applications which can then be sold to end users;

Companies which distribute goods, services or software applications over the Internet.

As a technology licensing company, our success will depend upon the ability of these manufacturers and developers to effectively integrate our technology into products and services which they market and sell. We have no control over these licensees and cannot assure you that they have the financial, marketing or technical resources to successfully develop and distribute products or applications acceptable to end users or generate any meaningful revenue for us. These third parties may also offer the products of our competitors to end users.

**We derive nearly all of our revenue from government contracts, which are often non-standard, involve competitive bidding, may be subject to cancellation with or without penalty and may produce volatility in earnings and revenue.**

Most of our business involves providing products and services under contracts with U.S. federal, state and local government agencies. Obtaining contracts from government agencies is challenging, and government contracts often include provisions that are not standard in private commercial transactions. For example, government contracts may:

include provisions that allow the government agency to terminate the contract without penalty under some circumstances;

be subject to purchasing decisions of agencies that are subject to political influence;

contain onerous procurement procedures; and

be subject to cancellation if government funding becomes unavailable.

Securing government contracts can be a protracted process involving competitive bidding. In many cases, unsuccessful bidders may challenge contract awards, which can lead to increased costs, delays and possible loss of the contract for the winning bidder.

**We face intense competition and may not have the financial and human resources necessary to keep up with rapid technological changes, which may result in our technology becoming obsolete.**

The Internet, facility access control and information security markets are subject to rapid technological change and intense competition. We compete with both established biometric companies and a significant number of startup enterprises as well as providers of more traditional methods of access control. Most of our competitors have substantially greater financial and marketing resources than we do and may independently develop superior technologies, which may result in our technology becoming less competitive or obsolete. We may not be able to keep pace with this change. If we are unable to develop new applications or enhance our existing technology in a timely manner in response to technological changes, we will be unable to compete in our chosen markets. In addition, if one or more other biometric technologies such as voice, face, iris, hand geometry or blood vessel recognition are widely adopted, it would significantly reduce the potential market for our fingerprint identification technology.

**We depend on key employees and members of our management team, including our Chairman of the Board and Co-Chief Executive Officer, in order to achieve our goals. We cannot assure you that we will be able to retain or attract such persons.**

A loss of our current Chairman of the Board of Directors or Chief Executive Officer could severely and negatively impact our operations. We have an employment contract with Michael W. DePasquale, our Chief Executive Officer, through March 28, 2008. Although the contract does not prevent him from resigning, it does contain confidentiality and non-compete clauses which are intended to prevent him from working for a competitor within one year after leaving our Company. Our success depends on our ability to attract, train and retain employees with expertise in developing, marketing and selling software solutions. In order to successfully market our technology, we will need to retain additional engineering, technical support and marketing personnel. The market for such persons remains highly competitive and our limited financial resources will make it more difficult for us to recruit and retain qualified persons.

**We cannot assure you that the limited intellectual property protection for our core technology provides a meaningful competitive advantage or barrier to entry against our competitors.**

Our success and ability to compete is dependent in part upon proprietary rights to our technology. We rely primarily on a combination of patent, copyright and trademark laws, trade secrets and technical measures to protect our propriety rights. We have filed a patent application relating to both the optic technology and biometrics solution components of our technology wherein several claims have been allowed. In May 2005, the U.S. Patent Office issued us a patent for our Vector Segment fingerprint technology (VST), BIO-key's core biometric analysis and identification technology. We cannot assure you that any additional patents will be issued, or that, if issued, we will have the resources to protect any patent from infringement. Although we believe our technology does not currently infringe upon patents held by others, we cannot assure you that such infringements do not exist or will not exist in the future, particularly as the number of products and competitors in the biometric industry segment grows.

**We may need to obtain additional financing to execute our business plan, which may not be available. If we are unable to raise additional capital or generate significant revenue, we may not be able to continue operations.**

Since our inception, we have not generated any significant revenue (other than revenue from acquired businesses) and have experienced substantial losses, including approximately \$12,828,000 during 2005, excluding the impact related to embedded derivative and warrant fair value adjustments. In March 2004, we completed a private placement equity offering that resulted in approximately \$12,000,000 in gross proceeds to the Company and a private placement convertible debt offering in September 2004 that resulted in approximately \$10,000,000 in gross proceeds to the Company (a portion of which was used to finance the acquisition of Aether Mobile Government). In June 2005, we raised approximately \$5,000,000 in gross proceeds through a private placement convertible debt offering, in January 2006 we received approximately \$1,000,000 in another private placement convertible debt offering, and in August 2006 we raised approximately \$2,000,000 in gross proceeds through a private issuance of equity securities, of which \$1,500,000 was received in cash, and \$500,000 was paid in declared and unpaid dividends. To the extent that we will require additional capital to support our operations, expand our marketing and sales efforts and to execute our business plan to substantially increase revenue, we may need to obtain additional financing through the issuance of debt or equity securities. Our long-term viability and growth will depend upon the successful commercialization of our technologies and our ability to obtain adequate financing. We have not and cannot assure you that we will ever be able to secure any such financing on terms acceptable to us. If we cannot obtain such financing or generate such revenues, we may not be able to execute our business plan or continue operations.

**We may not be able to successfully complete the integration of PSG and AMG into our operations.**

The integration of PSG and AMG into our operations involves a number of risks, including:

difficulty integrating operations and personnel;

diversion of management attention;

potential disruption of ongoing business;

inability to retain key personnel;

inability to successfully incorporate the acquired products and services into our product and service offerings and to develop new products and services; and

impairment of relationships with employees, customers or vendors.

Failure to overcome these risks or any other problems encountered in connection with the acquisitions of PSG and AMG could slow our growth or lower the quality of our services, which could reduce customer demand. The result could be a material adverse effect on our financial position and results of operations.

**We may not achieve profitability with respect to the law enforcement and public safety components of our business if we are unable to maintain, improve and develop the wireless data services we offer.**

We believe that our future business prospects depend in part on our ability to maintain and improve our current services and to develop new ones on a timely basis. Our services will have to achieve market acceptance, maintain technological competitiveness and meet an expanding range of customer requirements. As a result of the complexities inherent in our service offerings, major new wireless data services and service enhancements require long development and testing periods. We may experience difficulties that could delay or prevent the successful development, introduction or marketing of new services and service enhancements. Additionally, our new services and service enhancements may not achieve market acceptance. If we cannot effectively develop and improve services we may not be able to recover our fixed costs or otherwise become profitable.

**Our law enforcement and public safety division depends upon wireless networks owned and controlled by others.**

If we do not have continued access to sufficient capacity on reliable networks, we may be unable to deliver services and our sales could decrease. Our ability to grow and achieve profitability partly depends on our ability to buy sufficient capacity on the networks of wireless carriers such as Verizon Wireless, Bell South Corporation, Metrocall, Motient and AT&T Wireless and on the reliability and security of their systems. All of our services are delivered using airtime purchased from third parties. We depend on these companies to provide uninterrupted and bug free service and would not be able to satisfy our customers' needs if they failed to provide the required capacity or needed level of service. In addition, our expenses would increase and our profitability could be materially adversely affected if wireless carriers were to increase the prices of their services. Our existing agreements with the wireless carriers generally have one-year terms. Some of these wireless carriers are, or could become, our competitors and if they compete with us they may refuse to provide us with their services.

**New laws and regulations that impact our law enforcement and public safety division could increase our costs or reduce our opportunities to earn revenue.**

We are not currently subject to direct regulation by the Federal Communications Commission or any other governmental agency, other than regulations applicable to businesses in general. However, in the future, we may become subject to regulation by the FCC or another regulatory agency. In addition, the wireless carriers who supply us airtime and certain of our hardware suppliers are subject to regulation by the FCC and regulations that affect them could increase our costs or reduce our ability to continue selling and supporting our services.

**If we fail to adequately manage our resources, it could have a severe negative impact on our financial results or stock price.**

We could be subject to fluctuations in technology spending by existing and potential customers. Accordingly, we will have to actively manage expenses in a rapidly changing economic environment. This could require reducing costs during economic downturns and selectively growing in periods of economic expansion. If we do not properly manage our resources in response to these conditions, our results of operations could be negatively impacted.

**We granted a blanket security interest in all of our assets to the holders of our secured debt. If we are unable to make our required monthly payments on such debt, or any other event of default occurs, it could have a material adverse effect on our business and operations, and the debt holders may foreclose on our assets.**

As part of our secured convertible debt financing transactions, we granted to Laurus Master Fund, Ltd. and another holder of such secured debt a blanket security interest in all of our assets, including assets of our subsidiary. See the "Management's Discussion and Analysis or Plan of Operation" section of this report. In the event we default in payment on such debt, or any other event of default occurs under the relevant financing documents, and the default is not cured, 120% of the outstanding principal amount of the secured notes, plus accrued interest and fees will accelerate and be due and payable in full. See the "Long Term Obligations" footnote to this prospectus for a list of such potential events of default.

The cash required to pay such accelerated amounts on the secured notes following an event of default would most likely come out of our working capital. As we rely on our working capital for our day to day operations, such a default could have a material adverse effect on our business, operating results, or financial condition to such extent that we are forced to restructure, file for bankruptcy, sell assets or cease operations. In addition, upon an event of default, the holder of the secured debt could foreclose on our assets or exercise any other remedies available to them. If our assets were foreclosed upon, we were forced to file for bankruptcy or cease operations; stockholders may not receive any proceeds from disposition of our assets and may lose their entire investment in our stock.

**Our obligations under our debt securities may adversely affect our ability to enter into potential significant transactions with other parties.**

As a result of our debt financing transactions with Laurus Master Fund, Ltd., the Shaar Fund, Ltd. and other institutional and accredited investors, we incurred significant repayment obligations, and we agreed to certain restrictive covenants. In particular, for so long as 25% of the aggregate principal amount of the convertible term notes remains outstanding, we will need the consent of the holders of such notes before we can take certain actions, including the following:

pay any dividends;

merge, effect a material reorganization, liquidate or dissolve;

materially change the scope of our business; or

create, incur or assume any debt (other than certain trade debt, equipment financings and debt for the purchase of assets in the ordinary course of business).

Accordingly, unless we obtain the noteholders' consent, we may not be able to enter into certain transactions. In addition, in connection with any potential significant transaction (such as a merger, sale of substantially all our assets, joint venture, or similar transaction), it is likely that we would have to pay off such debt obligations and have the applicable security interests released. Although we have the right at any time to prepay our debt obligations, we can only do so upon payment of either 110% or 120% of the then principal balance, plus all other amounts owing under the notes. See the "Long Term Obligations" footnote of this prospectus. Based on an aggregate principal balance of \$4.8 million at August 10, 2006, a complete prepayment would require a cash payment of approximately \$5.3 million. These provisions could have the practical effect of increasing the costs of any potential significant transaction, and restrict our ability to enter into any such transaction.

**Our obligations to the holders of our outstanding preferred stock may further affect our ability to enter into potential significant transactions with other parties.**

We will need to obtain the consent of the holders of a majority of the then outstanding shares of our convertible preferred stock before we can take certain actions, including the following:

- a sale or other disposition of any material assets;
- an acquisition of a material amount of assets;
- engaging in a merger, reorganization or consolidation; or
- incur or guaranty any indebtedness in excess of \$50,000.

Accordingly, unless we obtain such consent, we may not be able to enter into certain transactions.

#### **Risks Related To Our Common Stock**

**We have issued a substantial number of securities that are convertible into shares of our common stock which will result in substantial dilution to the ownership interests of our existing shareholders.**

As of August 10, 2006, approximately 56,179,800 shares of our common stock were reserved for issuance upon exercise or conversion of the following securities (at conversion prices applicable as at August 10, 2006):

- 9,636,400 shares upon conversion of outstanding convertible term notes;
- 22,224,400 shares upon exercise of outstanding stock options and warrants;
- 2,031,000 shares upon exercise of options available for future grant under our existing option plans; and
- 22,288,000 shares or more upon conversion of our outstanding shares of Convertible Preferred Stock and cumulative dividends in arrears.

The exercise or conversion of these securities will result in a significant increase in the number of outstanding shares and substantially dilute the ownership interests of our existing shareholders.

**A substantial number of our convertible securities are convertible into shares of common stock at a conversion price of \$.50 per share. Most of these shares are eligible for public resale. The trading price of our common stock and our ability to raise additional financing may be adversely affected by the influx into the market of such a substantial number of shares.**

Our outstanding Series A Convertible Preferred Stock and cumulative dividends in arrears are convertible into 8,299,424 shares of common stock as of August 10, 2006 at a per share conversion price of \$.50. Although many of the shares issuable upon conversion of our Series A Convertible Preferred Stock are eligible for public resale under Securities Exchange Commission Rule 144, we agreed to file a registration statement to cover the public resale of all of these shares. This significant increase in the number of shares available for public sale may have a negative impact on the trading price of our shares and substantially dilute the ownership interests of our existing shareholders. In the event that our stock trades below \$.50 per share, in order to raise additional financing we would likely be required to issue additional shares of common stock or securities convertible into common stock at a purchase or conversion price, as applicable, of less than \$.50 per share. Any issuance of shares at a purchase price of less than \$.50 per share would reduce the conversion price of our Series A Convertible Preferred Shares to such lower price. This would require us to issue additional shares upon conversion of our Series A Shares and further dilute the ownership interests of our existing shareholders. To the extent these factors are viewed negatively by the market, it may provide an





incentive for persons to execute short sales of our common stock that could adversely affect the trading price of our common stock.

In January 2006, the Company issued Convertible Term Notes in the aggregate principal amount of \$1,000,000 to certain investors. The Convertible Notes subsequently converted into 1,000,000 shares of Series B Convertible Preferred Stock of the Company, which shares and cumulative dividends are convertible into shares of the Common Stock of the Company at a fixed conversion of \$0.50 per share for an aggregate amount of 2,147,945 shares as at August 10, 2006. Although many of the shares issuable upon conversion of our Series B Convertible Preferred Stock are eligible for public resale under Securities Exchange Commission Rule 144, we agreed to file a registration statement to cover the public resale of all of these shares. This significant increase in the number of shares available for public sale may have a negative impact on the trading price of our shares and substantially dilute the ownership interests of our existing shareholders. In the event that our stock trades below \$.50 per share, in order to raise additional financing we would likely be required to issue additional shares of common stock or securities convertible into common stock at a purchase or conversion price, as applicable, of less than \$.50 per share. Any issuance of shares at a purchase price of less than \$.50 per share would reduce the conversion price of our Series B Convertible Preferred Shares to such lower price. This would require us to issue additional shares upon conversion of our Series B Shares and further dilute the ownership interests of our existing shareholders. To the extent these factors are viewed negatively by the market, it may provide an incentive for persons to execute short sales of our common stock that could adversely affect the trading price of our common stock.

In August 2006, certain subordinated term notes were exchanged for shares of Series C Convertible Preferred Stock of the Company, which shares and cumulative dividends are convertible into shares of the Common Stock of the Company at an initial fixed conversion of \$0.50 per share for an aggregate amount of 11,840,640 shares as at August 10, 2006. Although many of the shares issuable upon conversion of our Series C Convertible Preferred Stock are eligible for public resale under Securities Exchange Commission Rule 144, we agreed to file a registration statement to cover the public resale of all of these shares. This significant increase in the number of shares available for public sale may have a negative impact on the trading price of our shares and substantially dilute the ownership interests of our existing shareholders. In the event that our stock trades below \$.50 per share, in order to raise additional financing we would likely be required to issue additional shares of common stock or securities convertible into common stock at a purchase or conversion price, as applicable, of less than \$.50 per share. Any issuance of shares at a purchase price of less than \$.50 per share would reduce the conversion price of our Series C Convertible Preferred Shares to such lower price. This would require us to issue additional shares upon conversion of our Series C Shares and further dilute the ownership interests of our existing shareholders. To the extent these factors are viewed negatively by the market, it may provide an incentive for persons to execute short sales of our common stock that could adversely affect the trading price of our common stock.

**Applicable SEC Rules governing the trading of "penny stocks" limits the trading and liquidity of our common stock, which may affect the trading price of our common stock.**

Our common stock currently trades on the OTC Bulletin Board. Since our common stock continues to trade below \$5.00 per share, our common stock is considered a "penny stock" and is subject to SEC rules and regulations, which impose limitations upon the manner in which our shares can be publicly traded. These regulations require the delivery, prior to any transaction involving a penny stock, of a disclosure schedule explaining the penny stock market and the associated risks. Under these regulations, certain brokers who recommend such securities to persons other than established customers or certain accredited investors must make a special written suitability determination regarding such a purchaser and receive such purchaser's written agreement to a transaction prior to

sale. These regulations have the effect of limiting the trading activity of our common stock and reducing the liquidity of an investment in our common stock.

**We do not intend to pay dividends in the foreseeable future.**

We have never declared or paid a dividend on our common stock. In addition, the terms of our outstanding Convertible Preferred Shares preclude us from declaring or paying a dividend on our common stock unless a dividend is also declared or paid, as applicable, on our Convertible Preferred Shares. We intend to retain earnings, if any, for use in the operation and expansion of our business and, therefore, do not anticipate paying any dividends on our common stock in the foreseeable future.

**The trading price of our common stock may be volatile.**

The trading price of our shares has from time to time fluctuated widely and in the future may be subject to similar fluctuations. The trading price may be affected by a number of factors including the risk factors set forth in this prospectus as well as our operating results, financial condition, announcements of innovations or new products by us or our competitors, general conditions in the biometrics and access control industries, and other events or factors. Although we believe that approximately 15 registered broker dealers currently make a market in our common stock, we can not assure you that any of these firms will continue to serve as market makers or have the financial capability to stabilize or support our common stock. A reduction in the number of market makers or the financial capability of any of these market makers could also result in a decrease in the trading volume of and price of our shares. In recent years broad stock market indices, in general, and the securities of technology companies, in particular, have experienced substantial price fluctuations. Such broad market fluctuations may adversely affect the future-trading price of our common stock.

**The selling security holders intend to sell their shares of common stock in the market, which sales may cause our stock price to decline.**

The selling stockholders named in this prospectus intend to sell in the public market 13,896,038 shares of our common stock being registered in this offering. That means that up to 13,896,038 shares may be sold pursuant to this registration statement. Such sales may cause our stock price to decline. Our officers and directors and those shareholders who are significant shareholders as defined by the Securities and Exchange Commission will continue to be subject to the provisions of various insider trading and Rule 144 regulations.

### **FORWARD-LOOKING STATEMENTS**

All statements other than statements of historical facts contained in this prospectus, including statements regarding our future financial position, business strategy and plans and objectives of management for future operations, are forward-looking statements. The words "anticipate," "believe," "estimate," "will," "may," "future," "plan," "intend" and "expect" and similar expressions generally identify forward-looking statements. Although we believe that our plans, intentions and expectations reflected in the forward-looking statements are reasonable, we cannot be sure that they will be achieved. Actual results may differ materially due to a number of factors. Many of these factors are set forth in the "RISK FACTORS" section of this prospectus. Actual results may differ materially from the forward-looking statements contained in this prospectus. These factors are not intended to represent a complete list of the general or specific factors that may affect us. It should be recognized that other factors, including general economic factors and business strategies, may be significant, presently or in the future. Except as required by law, we undertake no obligation to update any forward-looking statement, whether as a result of new information, future events or otherwise.

**USE OF PROCEEDS**

The shares are being registered hereunder for resale by the selling security holders. We will not receive any proceeds from the sale of the shares by the selling security holders. We will receive the proceeds from the exercise price of certain warrants held by the selling security holders to the extent that such warrants are exercised. We expect to use the proceeds of any such sales for general working capital purposes.

**MARKET FOR COMMON STOCK AND RELATED STOCKHOLDER MATTERS**

Our common stock currently trades on the OTC Bulletin Board under the symbol "BKYI". The following table sets forth the range of high and low bid prices per share of our common stock for each of the calendar quarters identified below as reported by the OTC Bulletin Board. These quotations represent inter-dealer prices, without retail mark-up, markdown or commission, and may not represent actual transactions.

<b>2006:</b>	<b>High</b>	<b>Low</b>
Quarter ended June 30, 2006	\$ 0.67	\$ 0.40
Quarter ended March 31, 2006	0.94	0.58
<b>2005:</b>	<b>High</b>	<b>Low</b>
Quarter ended December 31, 2005	\$ 0.81	\$ 0.50
Quarter ended September 30, 2005	1.21	0.74
Quarter ended June 30, 2005	1.39	0.99
Quarter ended March 31, 2005	1.63	1.13
<b>2004:</b>	<b>High</b>	<b>Low</b>
Quarter ended December 31, 2004	\$ 1.61	\$ 0.74
Quarter ended September 30, 2004	1.43	0.60
Quarter ended June 30, 2004	3.00	1.26
Quarter ended March 31, 2004	1.85	1.03
<b>2003:</b>	<b>High</b>	<b>Low</b>
Quarter ended December 31, 2003	\$ 1.40	\$ 0.53
Quarter ended September 30, 2003	0.59	0.38
Quarter ended June 30, 2003	0.64	0.30
Quarter ended March 31, 2003	0.73	0.35

The last price of our common stock as reported on the OTC Bulletin Board on September 18, 2006 was \$0.47 per share.

 **Holders**

As of September 5, 2006, the number of stockholders of record of our common stock was 192. Based on broker inquiry conducted in connection with the distribution of proxy solicitation materials in connection with the Company's special meeting of shareholders in February 2006, we believe that there are approximately 4,816 beneficial owners of our common stock.

 **Dividends**

We have not paid any cash dividends on our common stock to date, and have no intention of paying any cash dividends on our common stock in the foreseeable future. The terms of our outstanding Convertible Preferred Stock preclude us from declaring or paying a dividend on our common stock unless a dividend is also declared or paid, as applicable, on our Convertible Preferred Stock. The declaration and payment of dividends on our common stock is also subject to the discretion of our Board of Directors and certain limitations imposed under the Delaware General Corporation Law. The timing, amount and form of dividends, if any, will depend on, among other things, our results of operations, financial condition, cash requirements and other factors deemed relevant by our Board of Directors.

## MANAGEMENT'S DISCUSSION AND ANALYSIS OR PLAN OF OPERATION

*This Management's Discussion and Analysis of Financial Condition and Results of Operations and other parts of this prospectus contain forward-looking statements that involve risks and uncertainties. All forward-looking statements included in this prospectus are based on information available to us on the date hereof, and we assume no obligation to update any such forward-looking statements. Our actual results could differ materially from those anticipated in these forward-looking statements as a result of a number of factors, including those set forth in the section captioned "RISK FACTORS" and elsewhere in this prospectus. The following should be read in conjunction with our audited financial statements included elsewhere herein.*

The following Management's Discussion and Analysis or Plan of Operation ("MD&A") is intended to help you understand BIO-key International (the "Company," "we," "us" or "our"). MD&A is provided as a supplement to and should be read in conjunction with our financial statements and the accompanying notes. The results included in this MD&A have been restated. Our MD&A includes the following sections:

OVERVIEW provides a description of our business, the major items that affected our business, and how we analyze our business. It then provides an analysis of our overall 2005 performance and a description of the significant events impacting 2005 and thereafter.

RESULTS OF OPERATIONS provides an analysis of the consolidated and segment results of operations for 2005 compared to 2004 and 2004 compared to 2003. It also includes an analysis of the consolidated and segment results of operations for the three and six months ended June 30, 2006 compared to the three and six months ended June 30, 2005.

LIQUIDITY AND CAPITAL RESOURCES provides an overview of our cash flows, financing, contractual obligations and embedded derivatives activities.

RESTATEMENT provides a description and reconciliation of the restatement. For additional information, see Item 8, Financial Statements and Supplementary Data, Note B, Restatement of Previously Issued Financial Statements.

CRITICAL ACCOUNTING POLICIES provides a discussion of our accounting policies that require critical judgment, assumptions and estimates.

OTHER MATTERS provides a discussion of our significant non-operational items which impact our financial statements, such as the SEC comment letter.

RECENT ACCOUNTING STANDARDS by reference to Note 1 to the Consolidated Financial Statements provides a description of accounting standards which we have not yet been required to implement and may be applicable to our operations, as well as those significant accounting standards which were adopted during 2005.

### OVERVIEW

#### Our Business

We develop and market proprietary fingerprint identification biometric technology and software solutions. We also deliver advanced identification solutions and information services to law enforcement departments, public safety agencies and other government and private sector customers. Our mobile wireless technology provides first responders with critical, reliable, real-time data and images from local, state and national databases.

We pioneered the development of automated, finger identification technology that can be used without the aid of non-automated methods of identification such as a personal identification, password, token, smart card, ID card, credit card, passport, driver's license or other form of possession or

knowledge based identification. This advanced BIO-key identification technology improves both the accuracy and speed of finger-based biometrics and is the only finger identification algorithm that has been certified by the International Computer Security Association (ICSA).

Since our inception in 1993, we have spent substantial time and effort in completing the development of what we believe is the most discriminating and effective finger biometric technology available. During the past two years, our focus has shifted to marketing and selling this technology and completing strategic acquisitions that can help us leverage our capability to deliver identification solutions. We have built a direct sale force of professionals with substantial experience in selling technology solutions to government and corporate customers. We expect to continue to add additional qualified personnel beyond 2006.

On March 30, 2004, we acquired all of the outstanding capital stock of Public Safety Group, Inc., a privately-held provider of wireless solutions for law enforcement and public safety markets based in Winter Park, Florida, in exchange for an aggregate of 2,422,108 shares of our common stock, \$500,000 in cash, and our assumption of \$600,000 in aggregate net liabilities of PSG. The acquisition was completed pursuant to the terms of an agreement and plan of merger by and among the Company, BIO-key Acquisition Corp., a wholly-owned subsidiary of the Company, PSG and all of the shareholders of PSG. As a result of this transaction, PSG became a wholly-owned subsidiary of the Company.

On September 30, 2004, we completed our acquisition of the Mobile Government Division from Aether Systems Inc. Pursuant to the Asset Purchase Agreement dated as of August 16, 2004 by and among the Company, Aether, Cerulean Technology, Inc. and SunPro, Inc., the Company paid Aether a purchase price of \$10,000,000 in cash, subject to post-closing adjustments to reflect changes in Aether Mobile Government's working capital and cash flows since June 30, 2004. Post-closing working capital adjustments resulted in an additional payment by the Company of \$341,878 in December 2004. In connection with this acquisition, the Company issued a subordinated secured promissory note to Aether in the face amount of \$6,884,588 (the "Aether Note"). The Aether Note evidences a contingent reimbursement obligation of the Company to Aether and a surety fee payable by the Company to Aether, in each case with respect to a letter of credit maintained by Aether for the Company's benefit in connection with the acquisition. The Company's obligations under the Aether Note are secured by a security interest granted to Aether in all or substantially all of the Company's assets, subordinate to the security interest described in the "Long-Term Obligations" footnote to this annual report.

Aether Mobile Government provides wireless data solutions for use by public safety organizations, primarily state and local police, fire and rescue and emergency medical services organizations that enable such organizations to access law enforcement databases to validate identities and obtain suspect information. Its public safety solutions are integrated into fifty (50) different state databases, as well as local and federal databases, and its products deliver real-time information in seconds, without the need for human dispatchers or other resources.

## **RESULTS OF OPERATIONS**

### **YEARS ENDED DECEMBER 31, 2005 AS COMPARED TO DECEMBER 31, 2004 AND DECEMBER 31, 2004 AS COMPARED TO DECEMBER 31, 2003**

#### **INTRODUCTION**

During 2005, the Company continued to integrate the products, operations and technology of the Mobile Government business, acquired from Aether Systems in September 2004, in an effort to leverage new business opportunities. Our financial objective is to increase revenue, manage expenses and attain profitability. While total expenses have increased in dollars, they have declined as a

percentage of revenue in 2005 and 2004. In the fourth quarter of 2005, the Company restructured its operations into three business segments: Biometrics, Law Enforcement and Fire Safety. Each segment will be headed by a General Manager and organized to quickly respond to market needs as well as to drive down costs to achieve profitability. Management believes that this initiative will lead to increased opportunities in 2006 as the General Managers develop their organizations. A detailed analysis of each segment can be found below.

## RESULTS OF OPERATIONS

### *Consolidated Results of Operations*

#### *Three Year % trend*

	Years ended December 31,		
	2005	2004	2003
	(Restated)	(Restated)	(Restated)
<b>Revenues</b>			
Services	76%	59%	5%
License fees and other	24%	41%	95%
	100%	100%	100%
<b>Costs and other expenses</b>			
Services	20%	21%	1%
Cost of license fees and other	7%	16%	41%
Selling, general and administrative	83%	124%	975%
Research, development and engineering	48%	52%	481%
	158%	213%	1498%
<b>Operating loss</b>	-58%	-113%	-1398%
<b>Other income (deductions)</b>			
Total other income (deductions)	-32%	-77%	-486%
<b>NET INCOME (LOSS)</b>	-26%	-190%	-1884%

As discussed in Note M to the Consolidated Financial Statements, we have three reporting segments: Law Enforcement, Fire Safety and Biometrics. The Law Enforcement and Fire Safety segments were purchased during 2004. As noted earlier, in the fourth quarter of 2005 the Company restructured its operations into three business segments, prior to this segmentation of the business management evaluated the business as one consolidated operation. For presentation and comparability purposes the allocation of costs between segments for prior periods have been estimated.

The Company evaluates performance and allocates resources based on revenues and operating income (loss). Operating income (loss) for each segment includes selling, general and administrative expenses directly attributable to the segment in addition to those allocated as a percentage based on the segments revenues. The segmentation of operating income as noted above and detailed below reflects how management now evaluates its business. Assets for the company are commingled and are



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related to all operating segments. Management does not evaluate or identify the operating assets of the segments separately.

	2005	2004	2003	2005-2004		2004-2003	
				\$ Chg	% Chg	\$ Chg	% Chg
		Restated	Restated				
<b>Revenues</b>							
<b>Law Enforcement</b>							
Service	\$ 7,886,000	\$ 2,562,136	\$	\$ 5,323,863	208%	\$ 2,562,136	n/a
License & other	2,638,938	1,920,642		718,297	37%	1,920,642	n/a
	<u>10,524,938</u>	<u>4,482,778</u>		<u>6,042,160</u>	<u>135%</u>	<u>4,482,778</u>	<u>n/a</u>
<b>Fire Safety</b>							
Service	2,814,616	693,967		2,120,649	306%	693,967	n/a
License & other	406,470	187,229		219,241	117%	187,229	n/a
	<u>3,221,086</u>	<u>881,196</u>		<u>2,339,890</u>	<u>266%</u>	<u>881,196</u>	<u>n/a</u>
<b>Biometrics</b>							
Service	161,033	95,303	10,694	65,730	69%	84,609	791%
License & other	319,038	261,674	204,787	57,364	22%	56,887	28%
	<u>480,071</u>	<u>356,977</u>	<u>215,481</u>	<u>123,094</u>	<u>34%</u>	<u>141,496</u>	<u>66%</u>
<b>Total Revenue</b>	<u>\$ 14,226,095</u>	<u>\$ 5,720,951</u>	<u>\$ 215,481</u>	<u>\$ 8,505,144</u>	<u>149%</u>	<u>\$ 5,505,470</u>	<u>2555%</u>
<b>Cost of goods sold</b>							
<b>Law Enforcement</b>							
Service	\$ 2,260,845	\$ 902,794	\$	\$ 1,358,051	150%	\$ 902,794	n/a
License & other	679,170	686,806		(7,636)	-1%	686,806	n/a
	<u>2,940,015</u>	<u>1,589,600</u>		<u>1,350,415</u>	<u>85%</u>	<u>1,589,600</u>	<u>n/a</u>
<b>Fire Safety</b>							
Service	602,317	253,913		348,404	137%	253,913	n/a
License & other	165,074	96,081		68,993	72%	96,081	n/a
	<u>767,391</u>	<u>349,994</u>		<u>417,397</u>	<u>119%</u>	<u>349,994</u>	<u>n/a</u>
<b>Biometrics</b>							
Service	42,980	17,617	1,694	25,363	144%	15,923	940%
License & other	93,247	107,009	87,387	(13,762)	13%	19,622	22%
	<u>136,227</u>	<u>124,626</u>	<u>89,081</u>	<u>11,601</u>	<u>9%</u>	<u>35,545</u>	<u>40%</u>
<b>Total COGS</b>	<u>\$ 3,843,633</u>	<u>\$ 2,064,220</u>	<u>\$ 89,081</u>	<u>\$ 1,779,413</u>	<u>86%</u>	<u>\$ 1,975,139</u>	<u>2217%</u>

**Revenues**

*Law Enforcement*

The increase in these revenue components from 2004 is primarily attributable to the fact that the business was acquired in the third quarter of 2004. Therefore 2004 represents only one quarter of revenue, whereas 2005 reflects four quarters of revenue. The increase was partially offset with a reduction of revenues related to long-term project work, which during 2005 has diminished as a result of the Company focusing the

business to more of a licensing model.

*Fire Safety*

The increase in these revenue components from 2004 is primarily attributable to the fact that the business was acquired in the third quarter of 2004. Therefore 2004 represents only one quarter of revenue, whereas 2005 reflects four quarters of revenue. This was compounded by a general increase in overall revenue that can be attributed to a strengthened market presence through concerted efforts toward penetrating new markets by actively pursuing and marketing our Fire Safety products. Additionally revenue growth can be also attributable to functionality that was added across the entire

Fire Safety product suite as well as the release of new FireRMS mobile product which was released in the middle of 2005.

*Biometrics*

During 2004 and 2005 Biometric segment continues to show strong revenue growth year over year. This is reflective of continued market acceptance of the product and strategic channel relationships that have been developed. Additionally, the product has been a proven solution in the educational industry as well has shown continued commercial integration and acceptance of the product.

*Costs of goods sold*

*Law Enforcement*

License and other costs are attributable primarily to revenues derived from product sales for which we are required to pay a royalty. The slight decrease in cost is primarily driven by the sales mix and is solely dependent specifically on what products were sold.

Service costs increased primarily because of personnel related costs that have increased over the prior year primarily from the inclusion of a full year of costs as compared to only one quarter in 2004. This was offset by reductions related to a reduced concentration of project related revenues which are heavily burdened with labor costs, both employees and contracted labor. As significant project revenues declined after the first two quarters of 2005, this reduction offset the increase that would have occurred related to maintaining a full twelve months of expense.

*Fire Safety*

License and other costs are attributable primarily to revenues derived from product sales for which we are required to pay a royalty. The slight increase in cost is primarily driven by the sales volume in addition to product mix. These costs are solely dependent specifically on what products were sold.

Services costs have increased over the prior year primarily from the inclusion of a full year of costs as compared to only one quarter as well as contractors and related costs that have been incurred related to project and service related revenues. There was a significant growth in service revenues for which additional outside contractors were used in providing some of those services.

*Biometrics*

License and other costs are primarily related to the hardware costs related to sales of biometric fingerprint readers. The change in cost of goods sold is directly attributable to the product mix between types of readers sold and the volume of readers sold. During 2004 and 2003 the volume attributable to readers remained fairly constant whereas in 2005 volume decreased resulting in a reduction of related product cost.

Service cost has increased during 2005 related primarily to a higher percentage of revenue requiring software customization and integration costs as compared to 2004 and 2003.

*Selling, general and administrative*

				2005-2004		2004-2003	
	2005	2004	2003	\$ Chg	% Chg	\$ Chg	% Chg
		Restated	Restated				
<b>Law Enforcement</b>	\$ 7,471,524	\$ 3,047,247	\$	\$ 4,424,277	145%	\$ 3,047,247	n/a
<b>Fire Safety</b>	2,802,220	783,948		2,018,272	257%	783,948	n/a
<b>Biometrics</b>	1,550,865	3,283,093	2,099,922	(1,732,228)	-53%	1,183,171	56%
<b>Total</b>	\$ 11,824,609	\$ 7,114,288	\$ 2,099,922	\$ 4,710,321	66%	\$ 5,014,366	238%

SG&A costs increased during the year as a result of 2005 representing a full 12 months worth of expenses as compared to 2004 which included only 3 months of expenses of the Law and Fire segments. As noted above, these costs are allocated based on the Segment's percentage of revenue. Changes in SG&A costs between business segments are the result of the change in their respective percentage of BIO-key's total revenue.

During 2004 the increase in SG&A was primarily attributable to the acquisition of Mobile Government. The additional costs incurred were the result of legal and audit costs surrounding both the acquisition of Mobile Government as well as Public Safety Group. Additionally, the increase was due to an increased workforce in sales and administration functions as well as the associated overhead which results from fully loaded labor charges associated with supporting larger operations. This increase was offset slightly by the elimination of non essential functions done in order to align the business with its revised model of focusing sales through channel partners and creating a model focused on licensing as oppose to integration projects.

*Research, development and engineering*

				2005-2004		2004-2003	
	2005	2004	2003	\$ Chg	% Chg	\$ Chg	% Chg
<b>Law Enforcement</b>	\$ 3,931,265	\$ 1,309,026	\$	\$ 2,622,239	200%	\$ 1,309,026	n/a
<b>Fire Safety</b>	1,207,263	337,310		869,953	258%	337,310	n/a
<b>Biometrics</b>	1,707,507	1,333,568	1,037,330	373,939	28%	296,238	29%
<b>Total</b>	\$ 6,846,035	\$ 2,979,904	\$ 1,037,330	\$ 3,866,131	130%	\$ 1,942,574	187%

*Law Enforcement*

R&D costs have increased over 2004 primarily related to the acquisition of Mobile Government in Q3 of 2004. During 2005 the Company spent significant R&D resources in sustaining engineering related to the large customer base as well as developing new version releases that incorporated these changes. While remaining focused on achieving these operational objectives the Company also undertook cost reduction initiatives which resulted in an approximately 25-30% reduction of the fourth quarter 2004 run rate for R&D costs in the Law Enforcement segment.

*Fire Safety*

R&D costs have increased over 2004 primarily related to the acquisition of Mobile Government in Q3 of 2004. Additionally, subsequent to the acquisition, the company had several engineering initiatives in the Fire segment. As noted above a number of product enhancements were made to functionality across the entire software suite in addition to focused development of the new FireRMS mobile solution delivered to the market mid 2005. While remaining focused on achieving these product



objectives, in conjunction with the Company wide cost reduction initiatives, Fire Safety was able to realize an approximate reduction of 10% the fourth quarter 2004 run rate for R&D costs.

#### Biometrics

R&D costs have increased sequentially from 2003 to 2005. This is representative of the increased spending to enhance the interoperability and functionality of the software. The company continues to spend in R&D to enhance the products usability in different markets as well as to develop the product for integration with products from BIO-key's other segments. During 2005, BIO-key released IdentityMatch, a product which integrates BIO-key's advanced biometric offerings with BIO-key's mobile data and fire records management solutions. BIO-key continues to develop further integration of its Biometric software solutions in other products with in Company as well as partnering with other solutions in the marketplace. Additionally, in May of 2005 the Company was awarded a patent for its award-winning leadership Vector Segment fingerprint technology or "Image Identification System."

#### Other income and expense

				2005-2004		2004-2003	
	2005	2004	2003	\$ Chg	% Chg	\$ Chg	% Chg
	Restated	Restated	Restated				
Interest expense	\$ (4,521,344)	\$ (1,415,535)	\$ (1,909,788)	\$ (3,105,809)	219%	\$ 494,253	26%
Ineterest income	35,958	66,824		(30,866)	-46%	66,824	n/a
Gain on sale of marketable securities	(20,000)	33,125		(53,125)	-160%	33,125	n/a
Derivative and warrant fair value adjustments	9,154,951	(3,008,419)	857,545	12,163,370	-404%	(3,865,964)	-451%
Other income (expense)	(34,767)	(88,425)	4,145	53,658	-61%	(92,570)	-2,233%
	\$ 4,614,798	\$ (4,412,430)	\$ (1,048,098)	\$ 9,027,228	-205%	\$ (3,364,332)	321%

For the year ended December 31, 2005, consolidated interest expense increased \$3,105,809 or 219% as compared to 2004, which was attributable to the increase in long term debt from issuance of the 2004 and 2005 Senior and Subordinated notes. For the year ended December 31, 2004, consolidated interest expense increased \$494,253 or 26% from 2003.

For the year ended December 31, 2005, consolidated interest income decreased \$30,866 or 46% as compared to 2004, which was attributable to the average amount of cash held on hand in interest bearing accounts. For the year ended December 31, 2004, consolidated interest income increased \$66,824 as compared to 2003, which was attributable to deposits held in interest bearing accounts in 2004. No deposits were held in interest bearing accounts in 2003.

For the year ended December 31, 2005, derivative and warrant fair value adjustments increased \$12,163,370 or 404% as compared to 2004, which was attributable to changes in the fair market value of embedded derivatives and detachable warrants issued with convertible debt. The fair value of the derivatives will fluctuate based on; our stock price at particular points in time, the debt conversion price, the volatility of our stock price over a period of time, changes in the value of the risk free interest rate, and the time to maturity of the outstanding debt at different points in time. The major factor contributing to this change was due to the decline in the market price of our stock from \$1.60 as of December 31, 2004 to \$.69 as of December 31, 2005. For the year ended December 31, 2004, derivative and warrant fair value adjustments decreased \$3,865,964 or 451% as compared to 2003, which was also attributable to changes in the fair value of embedded derivatives and detachable warrants issued with convertible debt. The major factor contributing to the large fluctuation in the fair

value was due to the net increase in the market price of our stock from \$1.03 as of September 29, 2004 to \$1.60 as of December 31, 2004.

**THREE AND SIX MONTHS ENDED JUNE 30, 2006 AS COMPARED TO JUNE 30, 2005**

*Consolidated Results of Operations Percent Trend*

	<b>Three Months Ended June 30,</b>	
	<b>2006</b>	<b>2005</b>
<b>Revenues</b>		
Services	76%	75%
License fees and other	24%	25%
	<u>100%</u>	<u>100%</u>
<b>Costs and other expenses</b>		
Services	18%	28%
Cost of license fees and other	3%	6%
Selling, general and administrative	73%	85%
Research, development and engineering	41%	45%
	<u>135%</u>	<u>164%</u>
<b>Operating loss</b>	<b>-35%</b>	<b>-64%</b>
<b>Other income (deductions)</b>		
Total other income (deductions)	7%	23%
<b>NET LOSS</b>	<b>-28%</b>	<b>-41%</b>

The Law Enforcement and Fire Safety segments were purchased during 2004. Prior to this segmentation of the business, management evaluated the business as one consolidated operation. For presentation and comparability purposes the allocation of costs between segments for prior periods has been estimated.

The Company evaluates performance and allocates resources based on revenues and operating income (loss). Operating income (loss) for each segment includes selling, general and administrative expenses directly attributable to the segment in addition to those allocated as a percentage based on the segments revenues and other factors. The segmentation of operating income as noted above and detailed below reflects how management now evaluates its business. Assets for the Company are

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commingled and are related to all operating segments. Management does not evaluate or identify the operating assets of the segments separately.

	Three months ended June 30,		\$ Change	% Change
	2006	2005		
<b>Revenues</b>				
<b>Law Enforcement</b>				
Service	\$ 2,380,970	\$ 2,086,719	\$ 294,251	14%
License & other	494,618	746,814	(252,196)	-34%
	<u>2,875,588</u>	<u>2,833,533</u>	<u>42,055</u>	<u>1%</u>
<b>Fire Safety</b>				
Service	523,063	657,188	(134,125)	-20%
License & other	275,597	86,067	189,530	220%
	<u>798,660</u>	<u>743,255</u>	<u>55,405</u>	<u>7%</u>
<b>Biometrics</b>				
Service	19,996	17,979	2,017	11%
License & other	138,527	90,785	47,742	53%
	<u>158,523</u>	<u>108,764</u>	<u>49,759</u>	<u>46%</u>
<i>Total Revenue</i>	<u>\$ 3,832,771</u>	<u>\$ 3,685,552</u>	<u>\$ 147,219</u>	<u>4%</u>
<b>Cost of goods sold</b>				
<b>Law Enforcement</b>				
Service	\$ 416,113	\$ 825,916	\$ (409,803)	-50%
License & other	101,946	157,634	(55,688)	-35%
	<u>518,059</u>	<u>983,550</u>	<u>(465,491)</u>	<u>-47%</u>
<b>Fire Safety</b>				
Service	254,901	200,880	54,021	27%
License & other	2,589	27,240	(24,651)	-90%
	<u>257,490</u>	<u>228,120</u>	<u>29,370</u>	<u>13%</u>
<b>Biometrics</b>				
Service	7,205	7,330	(125)	-2%
License & other	27,040	20,512	6,528	32%
	<u>34,245</u>	<u>27,842</u>	<u>6,403</u>	<u>23%</u>
<i>Total COGS</i>	<u>\$ 809,794</u>	<u>\$ 1,239,512</u>	<u>\$ (429,718)</u>	<u>-35%</u>

Revenues

Law Enforcement



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The revenue for this segment in 2006 includes \$635,000 of service revenue from a long-term project that the Company had participated in as a subcontractor. The revenue was deferred until evidence of full acceptance by the end user was received by the Company. That increase was offset by a reduction in revenue from other longer-term project work that was included in 2005 as the Company moves to more of a licensing-based model.

*Fire Safety*

The overall revenue for this segment increased 7% over the same quarter in the prior year. However, the mix between service and license revenue continued to reflect the Company's efforts to move to more of a licensing-based model.

*Biometrics*

The Biometric segment continued to show revenue growth. As the Biometric market continues to grow, the Company expects to see increased revenue in this segment.

*Costs of goods sold**Law Enforcement*

License and other costs are attributable primarily to revenues derived from product sales for which we are required to pay a royalty and is primarily driven by the sales mix and is solely dependent specifically on what products were sold.

Due to the change in focus from long-term project revenue to licensing agreements, cost of good sold in total for the segment decreased from 2005 as labor costs, for both employees' and consultants are eliminated as projects are completed.

*Fire Safety*

License and other costs are attributable primarily to revenues derived from product sales for which we are required to pay a royalty. These costs are solely dependent specifically on what products were sold.

Overall costs of goods sold for the segment were higher in 2006 due to increased sales volume in the period.

*Biometrics*

License and other costs are primarily related to the hardware costs related to sales of biometric fingerprint readers. The change in cost of goods sold is directly attributable to the product mix between types of readers sold and the volume of readers sold.

*Selling, general and administrative*

	Three months ended June 30,			
	2006	2005	\$ Change	% Change
Law Enforcement	\$ 1,326,876	\$ 1,974,866	\$ (647,990)	-33%
Fire Safety	816,346	740,681	75,665	10%
Biometrics	646,714	409,924	236,790	58%
Total	\$ 2,789,936	\$ 3,125,471	\$ (335,535)	-11%

As discussed previously, the Company restructured its operations into three business segments: Biometrics, Law Enforcement and Fire Safety in the fourth quarter of 2005. For 2005, SG&A costs were allocated to the segments based on several factors including management's estimates and percentage of revenue. For 2006, sales expenses are a direct cost to the segment and G&A costs are allocated between business segments on fixed percentages that were established by management during the budgeting process.

The overall decline in total SG&A costs for the quarter ended June 30, 2006 as compared to 2005 are primarily attributable to the continued focus by management on cost reduction initiatives taken during the fourth quarter of 2005 after the acquisitions of Public Safety Group and Aether Mobile Government were completed. Management believes the appropriate resources are in place to support its strategic goals but also continues to analyze the expense structure and continues to explore ways to further reduce costs. During the quarter ended June 30, 2006, these reductions have been partially offset by additional costs related to reporting and compliance that the Company has experienced due to the restatements of our previously filed financial statements.

**Research, development and engineering**

	Three months ended June 30,			
	2006	2005	\$ Change	% Change
Law Enforcement	\$ 945,234	\$ 1,039,072	\$ (93,838)	-9%
Fire Safety	310,693	319,091	(8,398)	-3%
Biometrics	326,507	312,308	14,199	5%
<b>Total</b>	<b>\$ 1,582,434</b>	<b>\$ 1,670,471</b>	<b>\$ (88,037)</b>	<b>-5%</b>

*Law Enforcement and Fire Safety*

R&D costs have decreased in the second quarter of 2006 as compared to 2005 primarily related to the staff and cost structure reductions undertaken to move the Company toward the break-even point while still supporting sales growth.

*Biometrics*

R&D costs in this segment have increased slightly over the second quarter of 2006 as compared to 2005 as the Company continues to develop further integration of its Biometric software solutions in other products with in Company as well as partnering with other solutions in the marketplace.

**Other income and expense**

	Three months ended June 30,			
	2006	2005	\$ Change	% Change
Interest income	\$	\$ 2,988	\$ (2,988)	-100%
Interest expense	(2,262,632)	(552,093)	(1,710,539)	310%
Derivative and warrant fair value adjustments	2,556,159	1,373,367	1,182,792	86%
Other income (expense)	(17,118)	(532)	(16,586)	3,118%
<b>Total</b>	<b>\$ 276,409</b>	<b>\$ 823,730</b>	<b>\$ (547,321)</b>	<b>-66%</b>

For the quarter ended June 30, 2006, consolidated interest expense increased \$1,710,539 or 310% as compared to the same quarter in 2005. The increase was attributable to increases in long term debt, related discount and other debt related instruments. Interest expense includes actual cash paid for interest as well non-cash charges for amortization of debt discounts, and interest expense on the letter of credit arrangement, as well as deferred rent obligations. The increase in interest expense during 2006 was primarily related to the default interest provisions and the liquidating damages provisions with respect to the convertible debt instruments.

For the quarters ended June 30, 2006 and 2005, derivative and warrant fair value adjustments increased, which was attributable to changes in the fair market value of embedded derivatives and detachable warrants issued with convertible debt, including the additional derivatives recorded as a result of the May, June and July 2005 and January 2006 debt tranches. The changes represent non-cash income and expenses charges to the statement of operations. The fair value of the derivatives will fluctuate based on; our stock price on the valuation date, the debt conversion price, the volatility of our stock price over a period of time, changes in the value of the risk free interest rate, and the time to maturity of the outstanding debt at different points in time.

#### SIX MONTHS ENDED JUNE 30, 2006 AS COMPARED TO JUNE 30, 2005

##### *Consolidated Results of Operations Percent Trend*

	<b>Six Months Ended June 30,</b>	
	<b>2006</b>	<b>2005</b>
<b>Revenues</b>		
Services	74%	76%
License fees and other	26%	24%
	<u>100%</u>	<u>100%</u>
<b>Costs and other expenses</b>		
Services	20%	25%
Cost of license fees and other	3%	7%
Selling, general and administrative	77%	78%
Research, development and engineering	46%	49%
	<u>146%</u>	<u>159%</u>
<b>Operating loss</b>	-46%	-59%
<b>Other income (deductions)</b>		
Total other income (deductions)	-24%	47%
<b>NET LOSS</b>	<u>-70%</u>	<u>-12%</u>

The Law Enforcement and Fire Safety segments were purchased during 2004. Prior to this segmentation of the business, management evaluated the business as one consolidated operation. For presentation and comparability purposes the allocation of costs between segments for prior periods has been estimated.

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The Company evaluates performance and allocates resources based on revenues and operating income (loss). Operating income (loss) for each segment includes selling, general and administrative expenses directly attributable to the segment in addition to those allocated as a percentage based on the segments revenues and other factors. The segmentation of operating income as noted above and detailed below reflects how management now evaluates its business. Assets for the Company are commingled and are related to all operating segments. Management does not evaluate or identify the operating assets of the segments separately.

	Six months ended June 30,		\$ Change	% Change
	2006	2005		
<i>Revenues</i>				
<b>Law Enforcement</b>				
Service	\$ 3,979,530	\$ 4,439,496	\$ (459,966)	-10%
License & other	920,682	1,464,547	(543,865)	-37%
	<u>4,900,212</u>	<u>5,904,043</u>	<u>(1,003,831)</u>	<u>-17%</u>
<b>Fire Safety</b>				
Service	1,154,795	1,319,416	(164,621)	-12%
License & other	348,997	191,934	157,063	82%
	<u>1,503,792</u>	<u>1,511,350</u>	<u>(7,558)</u>	<u>-1%</u>
<b>Biometrics</b>				
Service	36,613	62,828	(26,215)	-42%
License & other	541,344	146,922	394,422	268%
	<u>577,957</u>	<u>209,750</u>	<u>368,207</u>	<u>176%</u>
<i>Total Revenue</i>	<u>\$ 6,981,961</u>	<u>\$ 7,625,143</u>	<u>\$ (643,182)</u>	<u>-8%</u>
<i>Cost of goods sold</i>				
<b>Law Enforcement</b>				
Service	\$ 862,271	\$ 1,501,389	\$ (639,118)	-43%
License & other	135,034	408,885	(273,851)	-67%
	<u>997,305</u>	<u>1,910,274</u>	<u>(912,969)</u>	<u>-48%</u>
<b>Fire Safety</b>				
Service	471,810	347,709	124,101	36%
License & other	40,148	82,810	(42,662)	-52%
	<u>511,958</u>	<u>430,519</u>	<u>81,439</u>	<u>19%</u>
<b>Biometrics</b>				
Service	18,010	20,594	(2,584)	-13%
License & other	37,877	41,547	(3,670)	-9%
	<u>55,887</u>	<u>62,141</u>	<u>(6,254)</u>	<u>-10%</u>

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	Six months ended			
	June 30,			
<i>Total COGS</i>	\$ 1,565,150	\$ 2,402,934	\$ (837,784)	-35%

*Revenues*

*Law Enforcement*

The revenue for this segment in 2006 includes \$635,000 of service revenue from a long-term project that the Company had participated in as a subcontractor. The revenue was deferred until evidence of full acceptance by the end user was received by the Company. That increase was offset by a reduction in revenue from other longer-term project work that was included in 2005 as the Company moves to more of a licensing-based model.

*Fire Safety*

The revenue for this segment decreased slightly over the same quarter in the prior year. Although revenue decreased, the mix between service and license revenue continued to reflect the Company's efforts to move to more of a licensing-based model.

*Biometrics*

The Biometric segment continued to show strong revenue growth in the first six months of 2006. The growth in 2006 is primarily attributable to a large license order in Q1 2006 from a new customer. The Biometric business continues to gain traction and acceptance in the market place and is pursuing new customers to grow its installed customer base.

***Costs of goods sold***

*Law Enforcement*

License and other costs are attributable primarily to revenues derived from product sales for which we are required to pay a royalty. The decrease in cost is primarily driven by the sales mix and is solely dependent specifically on what products were sold.

Due to the change in focus from long-term project revenue to licensing agreements, cost of good sold also decreased as labor costs, both employees' costs are reduced and consultants are eliminated as projects are completed.

*Fire Safety*

License and other costs are attributable primarily to revenues derived from product sales for which we are required to pay a royalty. The slight decrease in cost is primarily driven by the sales volume in addition to product mix. These costs are solely dependent specifically on what products were sold.

Services costs have increased over the same period in the prior year, as this segment represents a higher percentage of overall revenue to the Company.

*Biometrics*

License and other costs are primarily related to the hardware costs related to sales of biometric fingerprint readers. The change in cost of goods sold is directly attributable to the product mix between types of readers sold and the volume of readers sold.

*Selling, general and administrative*

	Six months ended June 30,		\$ Change	% Change
	2006	2005		
Law Enforcement	\$ 2,591,725	\$ 3,773,541	\$ (1,181,816)	-31%
Fire Safety	1,558,780	1,415,280	143,500	10%
Biometrics	1,215,885	783,273	432,612	55%
Total	\$ 5,366,390	\$ 5,972,094	\$ (605,704)	-10%

As discussed previously, the Company restructured its operations into three business segments: Biometrics, Law Enforcement and Fire Safety in the fourth quarter of 2005. For 2005, SG&A costs were allocated to the segments based on several factors including management's estimates and percentage of revenue. For 2006, sales expenses are a direct cost to the segment and G&A costs are allocated between business segments on fixed percentages that were established by management during the budgeting process.

The overall decline in total SG&A costs for the six months ended June 30, 2006 as compared to the same period in 2005 are primarily attributable to the cost reduction initiatives taken during the fourth quarter of 2005 after the acquisitions of Public Safety Group and Aether Mobile Government were completed. Management believes the appropriate resources are in place to support its strategic goals but also continues to analyze the expense structure and continues to explore ways to further reduce costs.

*Research, development and engineering*

	Six months ended June 30,		\$ Change	% Change
	2006	2005		
Law Enforcement	\$ 1,972,592	\$ 2,329,813	\$ (357,221)	-15%
Fire Safety	611,249	715,468	(104,219)	-15%
Biometrics	653,230	700,260	(47,030)	-7%
Total	\$ 3,237,071	\$ 3,745,541	\$ (508,470)	-14%

*Law Enforcement and Fire Safety*

R&D costs have decreased for the six months ended June 30 of 2006 as compared to 2005 primarily related to the staff and cost structure reductions undertaken to move the Company toward the break-even point while still supporting sales growth.

*Biometrics*

R&D costs have decreased for the six months ended June 30 of 2006 as compared to 2005, however the reduction in costs was due to higher costs in 2005 and not related to any significant staff reductions or other cost savings initiatives. The Company continues to develop further integration of its Biometric software solutions in other products with in Company as well as partnering with other solutions in the marketplace.



*Other income and expense*

	Six months ended June 30,		\$ Change	% Change	
	2006	2005			
Interest income	\$	\$ 29,050	\$ (29,050)	-100%	
Interest expense		(4,329,156)	(1,387,009)	212%	
Loss on extinguishment of debt		(2,322,016)	(2,322,016)	%	
Derivative and warrant fair value adjustments		5,000,852	4,950,248	50,604	1%
Other income (expense)		(32,294)	(20,532)	(11,762)	57%
Total	\$	(1,682,614)	\$ 3,571,757	\$ (5,254,371)	-147%

For the second quarter ended June 30, 2006, consolidated interest expense increased \$2,942,147 or 212% as compared to the same quarter in 2005. The increase was attributable to increases in long term debt, related discount and other debt related instruments. Interest expense includes actual cash paid for interest as well non-cash charges for amortization of debt discounts, and interest expense on the letter of credit arrangement, as well as deferred rent obligations. The increase in interest expense during 2006 was primarily related to the default interest provisions and the liquidating damages provisions with respect to the convertible debt instruments.

For the six months ended June 30, 2006 and 2005, derivative and warrant fair value adjustments increased, which was attributable to changes in the fair market value of embedded derivatives and detachable warrants issued with convertible debt, including the additional derivatives recorded as a result of the May, June and July 2005 and January 2006 debt tranches. The changes represent non-cash income and expenses charges to the statement of operations. The fair value of the derivatives will fluctuate based on; our stock price on the valuation date, the debt conversion price, the volatility of our stock price over a period of time, changes in the value of the risk free interest rate, and the time to maturity of the outstanding debt at different points in time.

**LIQUIDITY AND CAPITAL RESOURCES***OPERATING ACTIVITIES OVERVIEW***YEARS ENDED DECEMBER 31, 2005 AS COMPARED TO DECEMBER 31, 2004 AND DECEMBER 31, 2004 AS COMPARED TO DECEMBER 31, 2003**

The net cash used in operating activities during 2005 was \$4,513,497, as compared to \$5,644,759 and \$2,857,145 in 2004 and 2003, respectively. Some of the major drivers of this change are discussed in more detail below.

The Company's income statement includes four non-cash items which made the most significant contributions to the net cash used in operating activities in 2004 and 2005.

The Company issued notes in 2004 and 2005 which contained embedded derivatives. In 2004, the company recorded a loss of approximately \$3,008,419 related to the increase in value of the derivatives. The increase in value was caused by the increase in the value of the underlying BIO-key stock. In 2005, the company recorded a gain of approximately \$9,154,951 related to the decrease in value of the derivatives. The decrease in value is the result of the decline in value of the underlying BIO-key stock.

A debt discount was recorded when the notes were initially recorded to reflect the FMV of derivatives and warrants related to the debt. The discount is amortized ratably into earnings over

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the life of the related debt. In 2004 and 2005, the company recorded non-cash interest expense related to the amortization of the debt discount of approximately \$757,318 and \$2,097,973, respectively.

The Company recorded a \$55,150 and \$664,043 charge in 2004 and 2005, respectively, for the non-cash expense of issuing options and warrants to non employees for services.

Finally, the Company recorded \$550,421 and \$1,509,880 in 2004 and 2005, respectively, for the non-cash expense related to the amortization of intangibles assets.

For the year ended December 31, 2005, the Company reported positive cash flows related to a decrease in costs and earnings in excess of billings on uncompleted contracts of \$2,468,770. Costs and earnings in excess of billings on uncompleted contracts represent services which have been performed on long term contracts but have not been invoiced at year end due to milestones contained within the contracts. In 2005, the Company was able to bill the customer due to the fact that the milestones have been reached.

The Company experienced positive cash flows of \$1,029,404 in 2005 due to increased accrued liabilities related to interest on the 2005 debt as well as contract related costs not being invoiced by vendors. In 2004, the Company experienced positive cash flows of \$955,050 related to interest on the 2004 debt as well as liabilities assumed through acquisitions.

The Company also experienced a positive cash flow from an increase of \$1,191,958 in deferred revenue from 2004 to 2005 due to customers who had purchased and paid for maintenance agreements which the company had to earn typically over a one year period.

The overall major drivers in operating cash flow are the current operating costs which are greater than the current revenues. The company has experienced improvements related to the ratio of operating expenses to revenues and expects this trend to continue to improve until such time as the Company is able to generate sustained profitability.

### **SIX MONTHS ENDED JUNE 30, 2006 AS COMPARED TO JUNE 30, 2005**

Net cash used in operations during the six months ended June 30, 2006 was approximately \$1,905,000 compared to approximately \$3,752,000 during the six months ended June 30, 2005. Some of the major drivers of this change are discussed in more detail below.

The Company reported positive cash flows related to a decrease in costs and earnings in excess of billings on uncompleted contracts of approximately \$2,493,000. Costs and earnings in excess of billings on uncompleted contracts represent services which have been performed on long term contracts but have not been invoiced due to milestones contained within the contracts. In the six

months ended June 30, 2006, the Company was able to bill more customers due to the fact that certain milestones had been reached.

Positive cash flows were reported from an increase in accounts payable of approximately \$1,296,000 due to subcontractors' costs on uncompleted projects that were invoiced during the second quarter, moving from accrued liabilities to accounts payable. That decline in accrued liabilities was offset by an increase in accrued interest of approximately \$1,292,000 primarily related to the default interest provisions and the liquidating damages provisions with respect to the Company's convertible debt instruments.

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The following non-cash items that are reflected in the Company's statement of operations are used to reconcile the net loss to the net cash used in operating activities during the six months ended June 30, 2006:

The Company issued notes in 2004, 2005 and 2006 that contained embedded derivatives. In the six months ended June 30, 2006, the Company recorded a gain of approximately \$5,000,000 related to the decrease in value of these derivatives. The decrease in value was caused by the decline in the value of the underlying BIO-key stock.

A debt discount was recorded when the notes were initially recorded to reflect the FMV of derivatives and warrants related to the debt. The discount is amortized ratably into earnings over the life of the related debt. In the six months ended June 30, 2006, the Company recorded non-cash interest expense related to the amortization of the debt discount of approximately \$1,932,000.

The Company recorded a non-operating loss on extinguishment of debt of \$2,322,016. The loss mainly relates to the accounting for the effect of the modification of certain embedded derivatives, extinguishment of previously recorded deferred financing costs and changes in the present value of debt and warrants.

Net cash used in investing activities for the six months ended June 30, 2006 was approximately \$907,000, largely a result of the return of deposits related to long-term contracts. This compares to net cash provided by investing activities of approximately \$1,389,000 for the corresponding period in 2005. The 2005 amount consisted of approximately \$980,000 from sale of marketable securities and \$50,000 in proceeds from the sale of a trademark.

Net cash provided by financing activities during the six months ended June 30, 2006 was approximately \$859,000 compared to net cash provided by financing activities of approximately \$3,380,000 in the corresponding period in 2005. The 2006 amount included debt proceeds of \$988,000 offset by \$85,000 of debt repayments and \$53,000 for costs to issue the new debt. The 2005 amount included debt proceeds of approximately \$4,515,000, proceeds from warrants and option exercises of approximately \$539,000, offset by debt repayments of approximately \$1,405,000.

Working capital deficit at June 30, 2006 was approximately \$11,268,000 as compared to a deficit of approximately \$8,952,000 at December 31, 2005.

Since January 7, 1993 (date of inception), our capital needs have been principally met through proceeds from the sale of equity and debt securities.

We do not expect any material capital expenditures during the next twelve months.

We do not currently maintain a line of credit or term loan with any commercial bank or other financial institution.

### ***FINANCING ACTIVITIES OVERVIEW***

#### ***Financing Activities***

##### **2005 Senior and Subordinated Term Notes**

On June 8, 2005, we entered into a Securities Purchase Agreement (the "Senior Purchase Agreement") with an institutional investor. Under the Senior Purchase Agreement, the Company issued a Secured Convertible Term Note (the "Senior Convertible Note") in the aggregate principal amount of \$2,000,000, convertible into Common Stock of the Company in certain circumstances at \$0.85 per share, and issued a warrant (the "Senior Warrant") to purchase an aggregate of 444,444 shares of the Common Stock at a per share exercise price of \$1.00. The aggregate consideration received by the Company, net of all fees and expenses, for the Senior Convertible Note and the Senior Warrant was

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approximately \$1,841,000. The proceeds from this transaction are to be used for working capital purposes. The Company's obligations under the Senior Purchase Agreement and the Senior Convertible Notes are secured by a security interest in all or substantially all of the Company's assets.

Under the terms of the Senior Convertible Note, we are required to make monthly payments of accrued interest only beginning on July 1, 2005. In addition, the Senior Convertible Note provides for monthly payments of principal in equal  $\frac{1}{32}$  increments thereof, plus accrued interest, commencing October 1, 2005.

We entered into a Securities Purchase Agreement, effective as of May 31, 2005, (the "Subordinated Purchase Agreement") with existing shareholders of the Company and other accredited investors (collectively, the "Subordinated Investors"). Under the Subordinated Purchase Agreement, the Company issued Convertible Term Notes (the "Subordinated Convertible Notes") in the aggregate principal amount of \$2,794,723, respectively convertible into Common Stock of the Company in certain circumstances at \$0.70 per share, and issued warrants (the "Subordinated Warrants") to purchase an aggregate of 828,066 shares of the Common Stock at a per share exercise price of \$1.00. The aggregate consideration received by the Company, net of all fees and expenses, for such Subordinated Convertible Notes and Subordinated Warrants was approximately \$2,411,000. The proceeds from this transaction are to be used for working capital purposes. The Subordinated Convertible Notes were issued at a purchase price equal to \$900 for each \$1,000 of principal amount of the Note.

Certain Subordinated Investors purchased additional Subordinated Convertible Notes in the aggregate principal amount of \$450,000 and received additional Subordinated Warrants to purchase an aggregate of 133,333 shares of Common Stock at a per share exercise price of \$1.00. The aggregate consideration received by the Company net of all fees and expenses for such Subordinated Convertible Notes and Subordinated Warrants was \$404,500, which was paid by the Subordinated Investors on July 8, 2005.

Under the terms of the Subordinated Convertible Notes, we are required to make quarterly payments of accrued interest only beginning on September 1, 2005. In addition, the Subordinated Convertible Notes provide for quarterly payments of principal in equal increments thereof, plus accrued interest, commencing September 1, 2006 through May 31, 2008, which payments may be made in shares of common stock at the option of each note holder.

### **2005 Amendment and Waivers**

The Company entered into an Amendment and Waiver with Laurus, dated as of August 31, 2005, pursuant to which the Company was permitted to defer the payment of the monthly principal amounts due and payable for the months of September, October, November and December 2005 under both (a) the Secured Convertible Term Note in the original principal amount of \$5,000,000 issued by the Company to Laurus on September 29, 2004 (the "September 2004 Note"), and (b) the Secured Convertible Term Note in the original principal amount of \$2,000,000 issued by the Company to Laurus on June 8, 2005 (the "June 2005 Note"), such aggregate deferred principal amounts being equal to \$625,000 and \$187,500, respectively. The deferred principal amount under the September 2004 Note is now due on September 29, 2007, the maturity date of that note, and will be paid at the same time the final payments due with respect to that note upon maturity. The deferred principal amount under the June 2005 Note is now due on June 7, 2008, the maturity date of that note, and will be paid at the same time the final payments due with respect to that note upon maturity. The Company will remain obligated to pay all monthly interest amounts under these notes as they are currently due.

The Company also entered into Amendment and Waivers, dated as of August 31, 2005, pursuant to which certain Subordinated Investors allowed the Company to defer the payment of the monthly principal amounts due and payable for the months of September, October, November and December 2005 under the Convertible Term Notes in the aggregate original principal amount of

\$2,800,000 issued by the Company to the Subordinated Investors on September 29, 2004 (the "Subordinated Notes"), such aggregate deferred principal amount being equal to \$350,004. The deferred principal amount under each Subordinated Note is now due on September 29, 2007, the maturity date of each such note, and will be paid at the same time the final payments due with respect to each such note upon maturity. The Company will remain obligated to pay all monthly interest amounts under these notes as they are currently due.

#### **2006 Amendment and Waivers**

The Company entered into an Amendment No. 1 to its Subordinated Secured Promissory Note, dated as of January 23, 2006, with Aether Systems, Inc. Pursuant to the Aether Note Amendment, the Subordinated Secured Promissory Note issued by the Company to Aether on September 30, 2004 in the aggregate maximum principal amount of \$6,884,588 was amended to increase such aggregate maximum principal amount to \$7,884,588.

The Company entered into a Securities Purchase Agreement, effective as of January 23, 2006, with The Shaar Fund, Ltd., Longview Fund, L.P. and Longview Special Finance. Under the Securities Purchase Agreement, the Company issued to the Purchasers Convertible Term Notes in the aggregate principal amount of \$1,000,000. The Convertible Notes converted into shares of the Series B Preferred Stock of the Company, which shares are convertible into shares of the Common Stock of the Company at an initial fixed conversion price of \$0.70 per share.

Effective as of January 23, 2006, BIO-key International, Inc. entered into an Amendment and Waiver with Laurus Master Fund Ltd. in connection with the Secured Convertible Notes currently held by Laurus. Under the Secured Notes Amendment and Waiver, the Secured Notes issued by the Company to Laurus on September 29, 2004 in the aggregate principal amount of \$5,000,000 and on June 8, 2008 in the aggregate principal amount of \$2,000,000 were amended as follows: (i) the maturity date of the September 2004 Note was extended to January 1, 2008; (ii) the maturity date of the June 2005 Note was extended to December 1, 2008, and (iii) the fixed conversion price under each of the Secured Notes was reset from \$1.35 to \$0.85 per share. In addition, the exercise price of all warrants to purchase Common Stock of the Company held by Laurus was reset to \$1.00 per share.

Effective as of January 23, 2006, the Company also entered into an Amendment and Waiver with certain holders of its Subordinated Convertible Promissory Notes. Under the Subordinated Notes Amendment and Waiver, the Subordinated Notes issued by the Company on September 29, 2004 in the aggregate principal amount of \$5,288,221 and on May 31, 2005 in the aggregate principal amount of \$3,244,723 were amended as follows: (i) the maturity dates were extended from September 29, 2007 and May 31, 2008, respectively, to January 1, 2009; (ii) the interest rate was fixed at fifteen percent (15%); (iii) all principal amounts are due at the maturity date and shall be paid in shares of Common Stock priced at \$0.70 per share if the average closing price of the Common Stock for the thirty (30) trading days immediately preceding the maturity date is greater than \$1.10; (iv) interest shall be paid, at the Company's election, in cash or shares of Common Stock, with the Common Stock priced at the average closing price of the Common Stock for the ten (10) trading days immediately preceding the repayment date; and (v) the currently applicable fixed conversion price was amended to \$0.70 per share. In addition, the exercise price of all warrants to purchase Common Stock held by the Subordinated Note Holders that currently have an exercise price greater than \$1.00 per share was reset to \$1.00 per share. In connection with this financing, we also reduced the conversion price of the Series A convertible Preferred shares held by the Shaar Fund Ltd. to \$0.70 per share.

Effective as of August 10, 2006, the Company also entered into an Amendment and Waiver with Laurus in connection with the holder of its Secured Convertible Notes currently held by Laurus. Under the Amendment and Waiver, the September 2004 Note and June 2005 Note were amended as follows: (i) the principal amounts due and payable under the 2004 Note and the 2005 Note for the months of

August and September 2006, respectively, shall be paid in shares of the Company's Common Stock priced at \$0.50 per share; and (ii) the principal amount due and payable under the 2004 Note for the months of October, November and December 2006 is deferred until January 1, 2008, the final maturity date of the 2004 Note, and the principal amount due and payable under the 2005 Note for the months of October, November and December 2006 is deferred until December 1, 2008, the final maturity date of the 2005 Note. Pursuant to this Amendment and Waiver, the Company issued 150,000 shares of its common stock to Laurus as consideration for the principal payment deferral. In connection with this financing, the Company reduced the conversion price under each of the September 2004 Note and June 2005 Note to \$0.50 per share.

Effective as of August 10, 2006, the Company also entered into a Securities Exchange Agreement with certain holders of its Subordinated Convertible Promissory Notes. Under the Securities Exchange Agreement, certain Subordinated Notes issued by the Company on September 29, 2004 in the aggregate principal amount of \$5,288,221 and on May 31, 2005 in the aggregate principal amount of \$3,244,723 were amended as follows: (i) the aggregate principal amount outstanding under the Notes, plus accrued and unpaid interest, and liquidated damages were exchanged for shares of Series C Convertible Preferred Stock; and (ii) in addition, the exercise price of all warrants held by Subordinated Note Holders dated May 31, 2005 and January 23, 2006, to purchase Common Stock of the Company was reset to \$0.50 per share. In connection with this financing, the Company also reduced the conversion price of the Series A and Series B Convertible Preferred shares to \$0.50 per share.

The Company entered into (i) a Securities Purchase Agreement (the "Trellus Securities Purchase Agreement"), dated as of August 10, 2006, with Trellus Partners, L.P. ("Trellus") and (ii) a Securities Purchase Agreement (the "Shaar Securities Purchase Agreement"), dated as of August 10, 2006, with Shaar. Under the Trellus Securities Purchase Agreement, the Company (i) issued and sold 3,000,000 shares of its Common Stock (the "Trellus Shares") to Trellus, at a purchase price of \$0.50 per share, for an aggregate purchase price of \$1,500,000 and (ii) issued a warrant to Trellus (the "Trellus Warrant") to purchase up to an aggregate of 400,000 shares of the Company's Common Stock at an exercise price of \$0.75 per share.

Under the Shaar Securities Purchase Agreement, the Company agreed to (i) issue and sell 1,000,000 shares of its Common Stock (the "Shaar Shares") to Shaar, at a purchase price of \$0.50 per share, for an aggregate purchase price of \$500,000 to be paid by exchanging Shaar's rights in an aggregate amount of \$500,000 in declared and unpaid dividends on the Shares of Series A Convertible Preferred Stock currently held by Shaar; and (ii) issue a warrant to Shaar (the "Shaar Warrant") to purchase up to an aggregate of 133,333 shares of the Company's Common Stock at an exercise price of \$0.75 per share.

#### ***Liquidity outlook***

At June 30, 2006 our total of cash and cash equivalents was \$1,284,123 as compared to \$1,422,827 at December 31, 2005. As discussed above, the Company has financed itself through access to the capital markets by issuing debt securities, Convertible Preferred Stock and common stock.

As discussed above, subsequent to June 30, 2006, the Company entered into securities purchase agreements to issue and sell 4,000,000 shares of its common stock to several investors at a price of \$0.50 per share for an aggregate purchase price of \$2,000,000 of which \$1,500,000 was received in cash, and \$500,000 was paid in declared and unpaid dividends.

Also, as discussed above, subsequent to June 30, 2006, the Company entered into a securities exchange agreement under which approximately \$5,000,000 of subordinated convertible debt plus accrued interest was exchanged for the Company's Series C Convertible Preferred Stock.

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We currently require approximately \$1,700,000 per month to conduct our operations. During the first half of 2006, we generated approximately \$6,982,000 of revenue and expect to increase quarterly revenue in 2006.

The Company has undertaken strategic steps to position itself to realize positive cash flows from operations in the future by increasing revenues and better managing expenses. These steps include the acquisition of two enterprises in 2004. Although the acquisitions inherently produced a greater demand for cash than we would have liked, we are confident that many of the initial costs are isolated in nature and will not be recurring year after year. The Company has also taken strategic steps to downsize the workforce in areas that we felt were either non-essential or not in line with where we wanted the Company to develop in the near future. The Company has also recently experienced additional costs associated with various compliance related activities.

We may need to obtain additional funding to (i) conduct the sales, marketing and technical support necessary to execute our plan to substantially grow operations, increase revenue and serve a significant customer base; and (ii) provide working capital. Due to several factors, including our history of losses and limited revenue, our former independent auditors have included an explanatory paragraph in opinions that they have previously issued related to our annual financial statements as to the substantial doubt about our ability to continue as a going concern. Our long-term viability and growth will depend upon the successful commercialization of our technologies and our ability to obtain adequate financing. To the extent that we require such additional financing, no assurance can be given that any form of additional financing will be available on terms acceptable to us, that adequate financing will be obtained to meet our needs, or that such financing would not be dilutive to existing stockholders. If available financing is insufficient or unavailable or we fail to continue to generate meaningful revenue, we may be required to further reduce operating expenses, delay the expansion of operations, be unable to pursue merger or acquisition candidates, or continue as a going concern.

### CONTRACTUAL OBLIGATIONS

We have various contractual obligations impacting our liquidity. The following represents some of our contractual obligations as of December 31, 2005:

	Total	2006	2007	2008	2009
Non-cancelable operating leases	\$ 3,427,000	\$ 1,260,000	\$ 1,278,000	\$ 866,000	\$ 23,000
Senior secured convertible term notes	5,599,999	1,524,211	3,048,421	1,027,367	
Subordinated unsecured convertible term notes	5,677,028	18,750	14,063		5,644,215
<b>Total</b>	<b>\$ 14,704,027</b>	<b>\$ 2,802,961</b>	<b>\$ 4,340,484</b>	<b>\$ 1,893,367</b>	<b>\$ 5,667,215</b>

The Company does not own any real estate but conducts operations from four leased premises. These non-cancelable operating leases expire a various dates through 2009. In addition to base rent, the Company pays for property taxes, maintenance, insurance and other occupancy expenses according to the terms of the individual leases.

### RESTATEMENT

In the process of reviewing our registration statement for the securities issued in our June 2005 financing, the staff of the Securities and Exchange Commission ("SEC") raised questions with regard to our convertible term notes suggesting that we consider EITF 00-19 "Accounting for Derivative Financial Instruments Indexed to, and Potentially Settled in, a Company's Own Stock" to evaluate whether there were any embedded derivative instruments and if so, whether they should be accounted for as an equity or liability classification. The SEC staff suggested that we review the methodology used in the valuations of the embedded derivative instruments and also review whether warrants issued with

our 2004 financing should be accounted for as an equity or liability classification. The SEC staff also commented that the Company should review the convertible notes issued in fiscal 2003 and 2004. The SEC staff also asked us to review adjustments to revenue made in the fourth quarter of 2004. The SEC staff raised the question of whether the transactions had a material impact on previously filed Exchange Act reports and would be better characterized as restatements. Further, the Company recalculated the convertible preferred stock dividends and accretion including the accrued but unpaid dividends in accordance with FAS 128 *Earnings per Share*.

There were several items that were identified as requiring restatement, these items were:

*Revenue Recognition*

The Company reviewed contracts and purchase agreements related to certain non-governmental customers and identified specific contracts for which the initial accounting inflated annual and quarterly revenues and earnings in violation of generally accepted accounting principles ("GAAP"). These practices were primarily the result of recognizing revenue on transactions with customers that were not creditworthy and recognizing revenue when the earnings process had not been completed. The revenue and related cost has been adjusted on the income statement as well as the related balance sheet accounts.

*Accounting for Convertible Financing Arrangements*

The Company reviewed the initial accounting for the 7% Convertible Notes issued in 2003, the Senior and Subordinated Convertible Term Notes issued in 2004 and the Senior and Subordinated Convertible Term Notes issued in 2005. During the review the company identified that EITF 00-19 should be applied to evaluate whether any embedded derivative instruments qualify as equity instruments or as liabilities. As such certain embedded derivatives were identified that met the conditions set forth under paragraph 12 of SFAS No. 133. These embedded derivative instruments have been evaluated using EITF 00-19 paragraphs 12 to 32 and determined that these instruments would not be classified as components of stockholders equity. The instruments have been deemed liabilities, and as such will be subject to SFAS 133 and should be recorded at fair value. Features that have been evaluated and determined to require such treatment include:

The principal conversion option

The monthly payments conversion option

The interest rate adjustment provisions.

Additionally, it was identified that certain other components of the related financings were also incorrectly accounted for. This includes the warrants issued with the above financing and the costs incurred by Company in obtaining the above financings. The correction of prior errors affected the subsequent accounting for debt conversions to equity as well as the amortization of related discounts and deferred finance charges associated with the above financings.

*Accounting for Warrants Related to the Companies 2004 Debt Financing*

Based on certain registration rights provisions it was determined that the warrants issued with the 2004 Debt Financing would require continued classification as a liability and revalued every quarter. The Company previously classified the warrants as equity upon the registration rights agreement becoming effective during the fourth quarter of 2004.

*Valuations of Embedded Derivatives*

The initial valuation methodology overstated the value of the conversion option derivatives. The company's review of the valuations of the embedded derivatives determined that the



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valuation of the principal conversion option and the monthly payments conversion option shared certain components that resulted in a double counting of the embedded derivative valuation. As such the company has adjusted its valuations of these embedded derivatives.

### *Additional Derivative (Default Provision)*

The company also reviewed the default provisions set forth in the debt instruments and determined that an additional embedded derivative existed that required bifurcation from the host contract and would need to be revalued on a quarterly basis.

The Company reviewed the earnout calculations performed in the prior year for the PSG acquisition and identified an error in the calculation. As a result the Company has restated the prior year's impact relating to this error. At December 31, 2004 the Company had accrued \$43,635 for the earnout provision. The corrected calculation resulted in no accrual being required, and as such the related accrual and goodwill balances have been reduced by \$43,635.

Management believes the scope and process of its internal review of previously reported financial information was sufficient to identify issues of a material nature that could affect our Consolidated Financial Statements and all dates and periods presented herein have been restated to fairly present the results of our operations.

The errors in our previously reported financial information, and the failure to prevent them or detect them in our financial reporting process, were largely attributable to weak internal controls, an inadequate staff of competent accounting personnel with an appropriate level of knowledge of GAAP and to errors in the valuations of the previously identified embedded derivatives.

As a result of our review and communications with the SEC, we determined that a restatement of previously reported financial information was required. Our previously reported financial information should no longer be relied upon. Accordingly, we have restated our previously reported financial information for the years ended December 31, 2003 and 2004 and our previously reported unaudited financial statements for the first, second and third quarters of 2003, 2004 and 2005 (the "restatement"). The restatement covers a number of separate matters, each of which is described above.

For the quarterly impact of the restatement and the restated financial results for the first, second and third quarters of 2003, 2004 and 2005 see Note X, Results by Quarter in the Notes to the Financial Statements on Page F-7.

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The following tables summarize the impact of all of these adjustments on previously reported revenue and assets, liabilities, and stockholders' equity (deficit) for the years ended December 31, 2005, 2004 and 2003.

	Impact of Adjustments on Revenue For the Years Ended December 31,		
	2005	2004	2003
<b>As previously reported</b>	\$ 14,226,095	\$ 5,558,231	\$ 524,101
Revenue recognition		162,720	(308,620)
<b>As restated</b>	\$ 14,226,095	\$ 5,720,951	\$ 215,481

Impact of Adjustments on Consolidated  
Balance Sheet Accounts

As of December 31, 2005

	Total Assets	Liabilities	Stockholders' Equity (Deficit)
<b>As previously reported</b>	\$ 26,357,934	\$ 17,050,206	\$ 9,307,728
Revenue recognition and related SG&A expense			
Debt financing		3,143,724	(3,143,724)
Total Adjustments		3,143,724	(3,143,724)
<b>As restated</b>	\$ 26,357,934	\$ 20,193,930	\$ 6,164,004

Impact of Adjustments on Consolidated Balance Sheet Accounts

As of December 31, 2004

As of December 31, 2003

	Total Assets	Liabilities	Stockholders' Equity (Deficit)	Total Assets	Total Liabilities	Stockholders' Equity (Deficit)
<b>As previously reported</b>	\$ 30,844,681	\$ 20,223,283	\$ 10,621,398	\$ 1,864,742	\$ 11,000,731	\$ (9,135,989)
Revenue recognition and related SG&A expense	(122,090)	23,810	(145,900)	(308,620)	(18,200)	(290,420)
Debt financing	816,501	4,742,344	(3,925,843)	(57,543)	(57,543)	57,543
Total Adjustments	694,411	4,766,154	(4,071,743)	(308,620)	(75,743)	(232,877)
<b>As restated</b>	\$ 31,539,092	\$ 24,989,437	\$ 6,549,655	\$ 1,556,122	\$ 10,924,988	\$ (9,368,866)

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The following tables present the effect of the restatement adjustments on the consolidated Statement of Operations for the years ended December 31, 2005, 2004 and 2003.

	Year Ended December 31, 2005		
	As Previously Reported	Effect of Restatement	As Restated
<b>Revenues</b>			
Services	\$ 10,861,649	\$	\$ 10,861,649
License fees and other	3,364,446		3,364,446
	<u>14,226,095</u>		<u>14,226,095</u>
<b>Costs and other expenses</b>			
Services	2,906,142		2,906,142
Cost of license fees and other	937,491		937,491
Selling, general and administrative	11,824,609		11,824,609
Research, development and engineering	6,846,035		6,846,035
	<u>22,514,277</u>		<u>22,514,277</u>
<b>Operating loss</b>	<u>(8,288,182)</u>		<u>(8,288,182)</u>
<b>Other income (deductions)</b>			
Interest income	35,958		35,958
Interest expense	(6,548,130)	2,026,786	(4,521,344)
Derivative and warrant fair value adjustments	15,213,186	(6,058,235)	9,154,951
Loss on sale of marketable securities	(20,000)		(20,000)
Other expense	(34,767)		(34,767)
	<u>8,646,247</u>	<u>(4,031,449)</u>	<u>4,614,798</u>
<b>NET INCOME (LOSS)</b>	<u>\$ 358,065</u>	<u>\$ (4,031,449)</u>	<u>\$ (3,673,384)</u>
<b>Basic Loss per Share:</b>			
<i>Numerator</i>			
Net loss	\$ 358,065	\$ (4,031,449)	\$ (3,673,384)
Convertible preferred stock dividends and accretion	(313,517)		(313,517)
Net Income (Loss) attributable to common shareholders	<u>\$ 44,548</u>	<u>\$ (4,031,449)</u>	<u>\$ (3,986,901)</u>
<i>Denominator</i>			
Weighted average common shares outstanding	<u>44,787,807</u>	<u>44,787,807</u>	<u>44,787,807</u>
<b>Basic Loss per Share</b>	<u>\$ 0.00</u>	<u>\$ (0.09)</u>	<u>\$ (0.09)</u>
<b>Diluted Loss per Share:</b>			
<i>Numerator</i>			
Net Income (loss) attributable to common shareholders	\$ 44,548	\$ (4,031,449)	\$ (3,986,901)
Effect of Dilutive Securities: Convertible Debentures	(8,795,834)	6,758,889	(2,036,945)

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Year Ended December 31, 2005

Net loss attributable to common shareholders and assumed conversions	\$ (8,751,286)	\$ 2,727,440	\$ (6,023,846)
<i>Denominator</i>			
Weighted average shares outstanding	44,787,807		44,787,807
Effect of Dilutive Securities: Convertible Debentures	7,258,496		7,258,496
Diluted weighted average common shares and common equivalents outstanding	52,046,303	52,046,303	52,046,303
<b><i>Diluted Loss per Share</i></b>	<b>\$ (0.17)</b>	<b>\$ 0.05</b>	<b>\$ (0.12)</b>

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Year Ended December 31, 2004

	As Previously Reported	Effect of Restatement	As Restated
<b>Revenues</b>			
Services	\$ 3,351,406	\$	\$ 3,351,406
License fees and other	2,206,825	162,720	2,369,545
	<u>5,558,231</u>	<u>162,720</u>	<u>5,720,951</u>
<b>Costs and other expenses</b>			
Services	1,174,324		1,174,324
Cost of license fees and other	889,896		889,896
Selling, general and administrative	7,096,088	18,200	7,114,288
Research, development and engineering	2,979,904		2,979,904
	<u>12,140,212</u>	<u>18,200</u>	<u>12,158,412</u>
<b>Operating loss</b>	(6,581,981)	144,520	(6,437,461)
<b>Other income (deductions)</b>			
Interest income	66,824		66,824
Interest expense	(667,008)	(748,527)	(1,415,535)
Derivative and warrant fair value adjustments		(3,008,419)	(3,008,419)
Other expense	(55,300)		(55,300)
	<u>(655,484)</u>	<u>(3,756,946)</u>	<u>(4,412,430)</u>
<b>NET LOSS</b>	\$ (7,237,465)	\$ (3,612,426)	\$ (10,849,891)
<b>Basic Loss per Share:</b>			
<i>Numerator</i>			
Net loss	\$ (7,237,465)	\$ (3,612,426)	\$ (10,849,891)
Convertible preferred stock dividends and accretion	(414,240)	28,885	(385,355)
Net Loss attributable to common shareholders	<u>\$ (7,651,705)</u>	<u>\$ (3,583,541)</u>	<u>\$ (11,235,246)</u>
<i>Denominator</i>			
Weighted average common shares outstanding	<u>34,806,201</u>	<u>34,806,201</u>	<u>34,806,201</u>
<b>Basic Loss per Share</b>	<u>\$ (0.22)</u>	<u>\$ (0.10)</u>	<u>\$ (0.32)</u>
<b>Diluted Loss per Share:</b>			
<i>Numerator</i>			
Net loss attributable to common shareholders	\$ (7,651,705)	\$ (3,583,541)	\$ (11,235,246)
Effect of Dilutive Securities: Convertible Debentures			
Net loss attributable to common shareholders and assumed conversions	<u>\$ (7,651,705)</u>	<u>\$ (3,583,541)</u>	<u>\$ (11,235,246)</u>

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Year Ended December 31, 2004

<i>Denominator</i>			
Weighted average shares outstanding	34,806,201	34,806,201	34,806,201
Effect of Dilutive Securities: Convertible Debentures			
Diluted weighted average common shares and common equivalents outstanding	34,806,201	34,806,201	34,806,201
<i>Diluted Loss per Share</i>	\$ (0.22)	\$ (0.10)	\$ (0.32)

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Year Ended December 31, 2003

	As Previously Reported	Effect of Restatement	As Restated
<b>Revenues</b>			
Services	\$ 10,694	\$	\$ 10,694
License fees and other	513,407	(308,620)	204,787
	<u>524,101</u>	<u>(308,620)</u>	<u>215,481</u>
<b>Costs and other expenses</b>			
Cost of services	1,694		1,694
Cost of license fees and other	87,387		87,387
Selling, general and administrative	2,118,122	(18,200)	2,099,922
Research, development and engineering	1,037,330		1,037,330
	<u>3,244,533</u>	<u>(18,200)</u>	<u>3,226,333</u>
<b>Operating loss</b>	<b>(2,720,432)</b>	<b>(290,420)</b>	<b>(3,010,852)</b>
<b>Other income (deductions)</b>			
Interest expense	(1,109,786)	(800,002)	(1,909,788)
Derivative and warrant fair value adjustments		857,545	857,545
Other income	4,145		4,145
	<u>(1,105,641)</u>	<u>57,543</u>	<u>(1,048,098)</u>
<b>NET LOSS</b>	<b>\$ (3,826,073)</b>	<b>\$ (232,877)</b>	<b>\$ (4,058,950)</b>
<b>Basic Loss per Share:</b>			
<i>Numerator</i>			
Net loss	\$ (3,826,073)	\$ (232,877)	\$ (4,058,950)
Convertible preferred stock dividends and accretion	(136,755)		(136,755)
	<u>(3,962,828)</u>	<u>(232,877)</u>	<u>(4,195,705)</u>
Net loss attributable to common shareholders	\$ (3,962,828)	\$ (232,877)	\$ (4,195,705)
<i>Denominator</i>			
Weighted average common shares outstanding	17,543,586	17,543,586	17,543,586
<b>Basic Loss per Share</b>	<b>\$ (0.23)</b>	<b>\$ (0.01)</b>	<b>\$ (0.24)</b>
<b>Diluted Loss per Share:</b>			
<i>Numerator</i>			
Net loss attributable to common shareholders	\$ (3,962,828)	\$ (232,877)	\$ (4,195,705)
Effect of Dilutive Securities: Convertible Debentures			
	<u>(3,962,828)</u>	<u>(232,877)</u>	<u>(4,195,705)</u>
Net loss attributable to common shareholders and assumed conversions	\$ (3,962,828)	\$ (232,877)	\$ (4,195,705)
<i>Denominator</i>			
Weighted average shares outstanding	17,543,586	17,543,586	17,543,586

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Year Ended December 31, 2003

Effect of Dilutive Securities: Convertible Debentures			
Diluted weighted average common shares and common equivalents outstanding	17,543,586	17,543,586	17,543,586
<b><i>Diluted Loss per Share</i></b>	<b>\$ (0.23)</b>	<b>\$ (0.01)</b>	<b>\$ (0.24)</b>

43



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The following tables present the effect of the restatement adjustments on the Consolidated Balance Sheet as of December 31, 2005, 2004 and 2003.

**CONSOLIDATED BALANCE SHEET**

	As of December 31, 2005		
	As Previously Reported	Effect of Restatement	As Restated
<b>ASSETS</b>			
Cash and cash equivalents	\$ 1,422,827	\$	\$ 1,422,827
Receivables			
Billed less allowance for doubtful receivables as of \$160,000	1,635,371		1,635,371
Unbilled	201,942		201,942
Costs and earnings in excess of billings on uncompleted contracts	4,321,392		4,321,392
Inventory	8,760		8,760
Prepaid expenses	137,000		137,000
<b>Total current assets</b>	<b>7,727,292</b>		<b>7,727,292</b>
Equipment and leasehold improvements, net	548,267		548,267
Deposits	1,828,560		1,828,560
Intangible assets less accumulated amortization	3,301,823		3,301,823
Deferred financing costs, net	1,562,338		1,562,338
Goodwill	11,389,654		11,389,654
<b>Total non-current assets</b>	<b>18,630,642</b>		<b>18,630,642</b>
<b>TOTAL ASSETS</b>	<b>\$ 26,357,934</b>	<b>\$</b>	<b>\$ 26,357,934</b>
<b>LIABILITIES</b>			
Current maturities of long-term obligations	\$ 4,924,224	\$ 3,143,724	\$ 8,067,948
Accounts payable	833,608		833,608
Billing in excess of costs and earnings on uncompleted contracts	32,385		32,385
Accrued liabilities	5,520,515		5,520,515
Deferred rent	443,603		443,603
Deferred revenue	3,264,283		3,264,283
<b>Total current liabilities</b>	<b>15,018,618</b>	<b>3,143,724</b>	<b>18,162,342</b>
Long-term obligations, net of discount and current maturities			
Deferred rent	867,850		867,850
Deferred revenue	1,163,738		1,163,738
<b>Total non-current liabilities</b>	<b>2,031,588</b>		<b>2,031,588</b>
<b>TOTAL LIABILITIES</b>	<b>17,050,206</b>	<b>3,143,724</b>	<b>20,193,930</b>
<b>STOCKHOLDERS' EQUITY (DEFICIT)</b>			
Preferred stock-authorized, 5,000,000 shares (liquidation preference of \$100 per share) Series A 7% Convertible; issued and outstanding, 44,557 shares of \$.0001 par value	4		4

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As of December 31, 2005

Common stock-authorized, 85,000,000 shares, 46,306,589 issued and outstanding of \$.0001 par value	4,632		4,632
Additional paid-in capital	51,529,332	(2,608,016)	48,921,316
Accumulated deficit	(42,226,240)	(535,708)	(42,761,948)
<b>TOTAL STOCKHOLDERS' EQUITY (DEFICIT)</b>	<b>9,307,728</b>	<b>(3,143,724)</b>	<b>6,164,004</b>
<b>TOTAL LIABILITIES AND STOCKHOLDERS' EQUITY (DEFICIT)</b>	<b>\$ 26,357,934</b>	<b>\$</b>	<b>\$ 26,357,934</b>

## CONSOLIDATED BALANCE SHEET

As of December 31, 2004

	As Previously Reported	Effect of Restatement	As Restated
<b>ASSETS</b>			
Cash and cash equivalents	\$ 956,230	\$	\$ 956,230
Marketable debt securities	1,000,000		1,000,000
Receivables			
Billed less allowance for doubtful receivables as of \$422,393	1,698,144	(90,090)	1,608,054
Unbilled	310,523		310,523
Due from selling stockholders and other	60,793	(32,000)	28,793
Costs and earnings in excess of billings on uncompleted contracts	6,292,603		6,292,603
Inventory	29,599		29,599
Prepaid expenses	113,130		113,130
	<u>10,461,022</u>	<u>(122,090)</u>	<u>10,338,932</u>
Total current assets	10,461,022	(122,090)	10,338,932
	<u>644,101</u>		<u>644,101</u>
Equipment and leasehold improvements, net	644,101		644,101
Costs and earnings in excess of billings on uncompleted contracts	657,000		657,000
Deposits	2,838,031		2,838,031
Intangible assets less accumulated amortization	4,177,279	(77,982)	4,099,297
Deferred financing costs, net		938,118	938,118
Goodwill	12,067,248	(43,635)	12,023,613
	<u>20,383,659</u>	<u>816,501</u>	<u>21,200,160</u>
Total non-current assets	20,383,659	816,501	21,200,160
<b>TOTAL ASSETS</b>	<u>\$ 30,844,681</u>	<u>\$ 694,411</u>	<u>\$ 31,539,092</u>
<b>LIABILITIES</b>			
Current maturities of long-term obligations	\$ 3,255,182	\$ (192,460)	\$ 3,062,722
Advances from stockholders	12,753		12,753
Accounts payable	1,325,282	23,810	1,349,092
Billing in excess of costs and earnings on uncompleted contracts	760,807		760,807
Accrued liabilities	4,639,619	(43,635)	4,595,984
Deferred rent	393,676		393,676
Deferred revenue	3,166,356		3,166,356
	<u>13,553,675</u>	<u>(212,285)</u>	<u>13,341,390</u>
Total current liabilities	13,553,675	(212,285)	13,341,390
	<u>5,286,951</u>	<u>4,978,439</u>	<u>10,265,390</u>
Long-term obligations, net of discount and current maturities	5,286,951	4,978,439	10,265,390
Deferred rent	1,311,454		1,311,454
Deferred revenue	71,203		71,203
	<u>6,669,608</u>	<u>4,978,439</u>	<u>11,648,047</u>
Total non-current liabilities	6,669,608	4,978,439	11,648,047
<b>TOTAL LIABILITIES</b>	<u>20,223,283</u>	<u>4,766,154</u>	<u>24,989,437</u>
<b>STOCKHOLDERS' EQUITY (DEFICIT)</b>			
Preferred stock-authorized, 5,000,000 shares (liquidation preference of \$100 per share) Series C 7% Convertible; issued and outstanding, 62,182 shares of \$.01 par value	623		623

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As of December 31, 2004

Common stock-authorized, 85,000,000 shares, 40,680,691 issued and outstanding of \$.01 par value	406,808		406,808
Additional paid-in capital	45,325,172	(226,441)	45,098,731
Accumulated deficit	(35,111,205)	(3,845,302)	(38,956,507)
<b>TOTAL STOCKHOLDERS' EQUITY (DEFICIT)</b>	<b>10,621,398</b>	<b>(4,071,743)</b>	<b>6,549,655</b>
<b>TOTAL LIABILITIES AND STOCKHOLDERS' EQUITY (DEFICIT)</b>	<b>\$ 30,844,681</b>	<b>\$ 694,411</b>	<b>\$ 31,539,092</b>

45

## CONSOLIDATED BALANCE SHEET

As of December 31, 2003

	As Previously Reported	Effect of Restatement	As Restated
<b>ASSETS:</b>			
Cash and cash equivalents	\$ 1,012,790	\$	\$ 1,012,790
Receivables billed	409,803	(308,620)	101,183
Inventory	65,857		65,857
Prepaid expenses	165,929		165,929
<b>Total current assets</b>	<b>1,654,379</b>	<b>(308,620)</b>	<b>1,345,759</b>
Equipment and leasehold improvements, net	60,157		60,157
Intangible assets less accumulated amortization	68,306		68,306
Deferred financing costs, net	81,900		81,900
<b>Total non-current assets</b>	<b>210,363</b>		<b>210,363</b>
<b>TOTAL ASSETS</b>	<b>\$ 1,864,742</b>	<b>\$ (308,620)</b>	<b>\$ 1,556,122</b>
<b>LIABILITIES:</b>			
Advances from stockholders	\$ 34,030	\$	\$ 34,030
Accounts payable	351,742		351,742
Accrued liabilities	173,736	(18,200)	155,536
Deferred revenue	10,000		10,000
<b>Total current liabilities</b>	<b>569,508</b>	<b>(18,200)</b>	<b>551,308</b>
Long-term obligations, net of discount and current maturities	10,431,223	(57,543)	10,373,680
<b>Total non-current liabilities</b>	<b>10,431,223</b>	<b>(57,543)</b>	<b>10,373,680</b>
<b>TOTAL LIABILITIES</b>	<b>11,000,731</b>	<b>(75,743)</b>	<b>10,924,988</b>
<b>STOCKHOLDERS' EQUITY (DEFICIT)</b>			
Preferred stock-authorized, 5,000,000 shares (liquidation preference of \$100 per share) Series B 9% Convertible; issued and outstanding, 4,180 shares of \$.01 par value	42		42
Common stock-authorized, 85,000,000 shares, issued and outstanding 21,222,990 of \$.01 par value	212,229		212,229
Additional paid-in capital	18,327,992		18,327,992
Accumulated deficit	(27,676,252)	(232,877)	(27,909,129)
<b>TOTAL STOCKHOLDERS' EQUITY (DEFICIT)</b>	<b>(9,135,989)</b>	<b>(232,877)</b>	<b>(9,368,866)</b>
<b>TOTAL LIABILITIES AND STOCKHOLDERS' EQUITY (DEFICIT)</b>	<b>\$ 1,864,742</b>	<b>\$ (308,620)</b>	<b>\$ 1,556,122</b>



## CRITICAL ACCOUNTING POLICIES

### 1. *Basis of Consolidation*

The accompanying consolidated financial statements include the accounts of BIO-key International, Inc. and its wholly owned subsidiary (collectively, the Company) and are stated in conformity with accounting principles generally accepted in the United States, pursuant to the rules and regulations of the Securities and Exchange Commission. Intercompany accounts and transactions have been eliminated in consolidation.

### 2. *Revenue Recognition*

Revenues from software licensing are recognized in accordance with Statement of Position (SOP) No. 97-2, Software Revenue Recognition, as amended by SOP No. 98-9. Accordingly, revenue from software licensing is recognized when all of the following criteria are met: persuasive evidence of an arrangement exists, delivery has occurred, the fee is fixed or determinable, and collectability is probable.

The Company intends to enter into arrangements with end users for items which may include software license fees, usage fees and services or various combinations thereof. For each arrangement, revenues will be recognized when evidence of an agreement has been documented, the fees are fixed or determinable, collection of fees is probable, delivery of the product has occurred and no other significant obligations remain.

**Multiple-Element Arrangements:** For multiple-element arrangements, each element of the arrangement will be analyzed and the Company will allocate a portion of the total fee under the arrangement to the elements using vendor specific objective evidence of fair value of the element, regardless of any separate prices stated within the contract for each element. Vendor specific objective evidence is based on the price the customer is required to pay when the element is sold separately (i.e., software license fees charged when consulting or other services are not provided, hourly rates charged for consulting services when sold separately from a software license or usage fees). If vendor specific objective evidence of fair value does not exist for any undelivered elements, all revenue is deferred and recognized ratably over the service period if the undelivered element is services, or until sufficient objective evidence of fair value exists or all elements have been delivered.

**License Revenues:** Amounts allocated to license revenues are recognized at the time of delivery of the software and all other revenue recognition criteria discussed above have been met.

Revenue from licensing software, which requires significant customization and modification, is recognized using the percentage of completion method, based on the hours of effort incurred by the company in relation to the total estimated hours to complete. In instances where third party hardware, software or services form a significant portion of a customer's contract, the company recognizes revenue for the element of software customization by the percentage of completion method described above. Third party hardware, software, and services are recognized upon shipment or acceptance as appropriate. If the company makes different judgments or utilizes different estimates of the total amount of work expected to be required to customize or modify the software, the timing and revenue recognition, from period to period, and the margins on the project in the reporting period, may differ materially from amounts reported. Revenues earned but not yet billed are shown as an asset in Costs and Earnings in Excess of Billings in the balance sheet. Billings in excess of cost and earnings are reflected as a liability in the balance sheet. Anticipated contract losses are recognized as soon as they become known and are estimable.

**Service Revenues:** Revenues from services are comprised of maintenance and consulting and implementation services. Maintenance revenues include providing for unspecified when-and-if available product updates and customer telephone support services, and are recognized ratably over the term of

the service period. Consulting services are generally sold on a time-and-materials basis and include a range of services including installation of software and assisting in the design of interfaces to allow the software to operate in customized environments. Services are generally separable from other elements under the arrangement since performance of the services are not essential to the functionality of any other element of the transaction and are described in the contract such that the total price of the arrangement would be expected to vary as the result of the inclusion or exclusion of the services. Revenues from services are generally recognized as the services are performed.

**Usage Fees:** Usage fees are charged on certain applications based on the customer's volume of use. Usage revenue is recognized based on the actual level of activity used by the customer or, in the case of fixed-fee arrangements, ratably over the arranged time period.

The Company provides customers, free of charge or at a minimal cost, testing kits which potential licensing customers may use to test compatibility/acceptance of the Company's technology with the customer's intended applications.

### 3. *Accounting for Acquisitions*

We have completed our acquisitions of PSG and AMG. These acquisitions have been accounted for under the purchase method of accounting, which has resulted in recording significant goodwill and other intangible asset balances. The purchase prices have been allocated to assets acquired and liabilities assumed at their estimated fair values on the date of the acquisitions, as determined by management, and by appraisals with respect to identifiable intangible assets. Our accounting for these acquisitions involves significant judgments and estimates regarding fair values of acquired intangible assets, which are based on projections of future revenues and cash flows, assumptions regarding discount factors, royalty rates, tax rates, amortization methodologies and related useful lives. The developed technology (software), copyrighted software, marketing agreements, customer relationships and trademarks were valued using the income approach and are being amortized on a straight line basis over their estimated useful lives, which range from 5 to 7 years.

### 4. *Marketable Debt Securities*

The Company accounts for marketable securities pursuant to Statement of Financial Accounting Standards No. 115, "Accounting for Certain Investments in Debt and Equity Securities" ("SFAS 115"). SFAS 115 requires classification of debt and equity securities in three categories: trading securities, available-for-sale securities and held-to-maturity securities. Debt and equity securities classified as trading securities are carried at fair value with unrealized gains or losses included in income. Debt and equity securities designated as available-for-sale, whose fair values are readily determinable, are carried at fair value with unrealized gains or losses included as a component of accumulated other comprehensive income, net of applicable taxes. Debt securities that are expected to be held-to-maturity are carried at amortized cost. On December 31, 2004, the Company's investments were all classified as available-for-sale. In January 2005 the Company sold these investments and did not purchase any additional Marketable Debt Securities as of December 31, 2005.

### 5. *Derivative and Warrant financial instruments*

In connection with the sale of debt or equity instruments, we may sell options or warrants to purchase our common stock. In certain circumstances, these options or warrants may be classified as derivative liabilities, rather than as equity. Additionally, the debt or equity instruments may contain embedded derivative instruments, such as conversion options, which in certain circumstances may be required to be bifurcated from the associated host instrument and accounted for separately as a derivative instrument asset or liability.



The identification of, and accounting for, derivative instruments is complex. Our derivative instrument liability is re-valued at the end of each reporting period, with changes in the fair value of the derivative liability recorded as charges or credits to income, in the period in which the changes occur. For options, warrants and bifurcated conversion options that are accounted for as derivative instrument liabilities, we determine the fair value of these instruments using the Black-Scholes option pricing model. That model requires assumptions related to the remaining term of the instruments and risk-free rates of return, our current common stock price and expected dividend yield, and the expected volatility of our common stock price over the life of the option. The identification of, and accounting for, derivative instruments and the assumptions used to value them can significantly affect our financial statements.

6. *Goodwill and Intangible Assets*

Goodwill represents the excess of costs of an acquired entity over the net of the amounts assigned to assets acquired and liabilities assumed. The Company has adopted Statement of Financial Accounting Standards ("SFAS") No. 142, Goodwill and Other Intangible Assets., which requires the Company to test goodwill for impairment annually or whenever events or changes in circumstances indicate that the carrying value of an asset may not be recoverable, rather than amortize. Accordingly, the Company has not amortized goodwill. As provided by SFAS No. 142, the Company has elected to perform the annual assessment of the carrying value of all goodwill as of September 30<sup>th</sup> of each year using a number of criteria, including the value of the overall enterprise. As of December 31, 2005, the Company believes that no material impairment exists. Future impairment charges from previous or future acquisitions, if any, will be reflected as an operating expense in the statement of operations.

7. *Deferred Revenue*

Deferred revenue includes customer advances and amounts that have been billed per the contractual terms but have not been recognized as revenue. The majority of these amounts are related to maintenance contracts for which the revenue is recognized ratably over the applicable term, which generally is 12 months from the date the customer accepts the products.

8. *Research and Development Expenditures*

Research and development expenses include costs directly attributable to the conduct of research and development programs primarily related to the development of our software products and improving the efficiency and capabilities of our existing software. Such costs include salaries, payroll taxes, employee benefit costs, materials, supplies, depreciation on research equipment, services provided by outside contractors, and the allocable portions of facility costs, such as rent, utilities, insurance, repairs and maintenance, depreciation and general support services. All costs associated with research and development is expensed as incurred.

9. *Earnings Per Share Common Stock*

Earnings per share of common stock-basic is computed by dividing Net Income applicable to common stockholders by the weighted-average number of common shares outstanding for the period. Earnings per share of common stock-assuming dilution reflects the maximum potential dilution that could occur if securities or other contracts to issue common stock were exercised or converted into common stock and would then share in the net income of the company. See note U. "Earnings Per Share of Common Stock," for additional information.

10. *Income Taxes*

The provision for, or benefit from, income taxes includes deferred taxes resulting from the temporary differences in income for financial and tax purposes using the liability method. Such temporary differences result primarily from the differences in the carrying value of assets and liabilities. Future realization of deferred income tax assets requires sufficient taxable income within the carry back, carry forward period available under tax law. The Company evaluates, on a quarterly basis whether, based on all available evidence, if it is probable that the deferred income tax assets are realizable. Valuation allowances are established when it is more likely than not that the tax benefit of the deferred tax asset will not be realized. The evaluation, as prescribed by Statement of Financial Accounting Standards No. 109, "Accounting for Income Taxes," includes the consideration of all available evidence, both positive and negative, regarding historical operating results including recent years with reported losses, the estimated timing of future reversals of existing taxable temporary differences, estimated future taxable income exclusive of reversing temporary differences and carryforwards, and potential tax planning strategies which may be employed to prevent an operating loss or tax credit carry forward from expiring unused. Because of the Companies historical performance and estimated future taxable income a full valuation allowance has been established.

11. *Accounting for Stock-Based Compensation*

As of January 1, 2006, the Company adopted SFAS 123R using the modified prospective method, which requires measurement of compensation cost for all stock awards at fair value on date of grant and recognition of compensation over the service period for awards expected to vest. Accordingly, financial statement amounts for the prior periods presented have not been restated to reflect the fair value method of expensing share-based compensation.

Under this application, we are required to record compensation cost for all share-based payments granted after the date of adoption based on the grant date fair value estimated in accordance with the provisions of SFAS 123R and for the unvested portion of all share-based payments previously granted that remain outstanding which were based on the grant date fair value estimated in accordance with the original provisions of SFAS 123. The majority of our share-based compensation arrangements vest over either a three or four year vesting schedule. The Company expenses its share-based compensation under the ratable method, which treats each vesting tranche as if it were an individual grant.

The fair value of stock options is determined using the Black-Scholes valuation model, which is consistent with our valuation techniques previously utilized for options in footnote disclosures required under SFAS 123, as amended by SFAS 148, and requires the input of highly subjective assumptions. These assumptions include estimating the length of time employees will retain their vested stock options before exercising them (the "expected option term"), the estimated volatility of our common stock price over the option's expected term, the risk-free interest rate over the option's expected term, and the Company's expected annual dividend yield. Changes in these subjective assumptions can materially affect the estimate of fair value of stock-based compensation and consequently, the related amount recognized as an expense in the consolidated statements of operations. As required under the accounting rules, we review our valuation assumptions at each grant date and, as a result, are likely to change our valuation assumptions used to value employee stock-based awards granted in future periods.

The values derived from using the Black-Scholes model are recognized as expense over the service period, net of estimated forfeitures (the number of individuals that will ultimately not complete their vesting requirements). The estimation of stock awards that will ultimately vest requires significant judgment. We consider many factors when estimating expected forfeitures, including types of awards, employee class, and historical experience. Actual results, and future changes in estimates, may differ substantially from our current estimates. The compensation expense recognized in connection with the adoption of SFAS 123R increased the Company's net loss by \$169,352 with no effect per share for the

three months ended June 30, 2006 and increased the Company's net loss for the six months ended June 30, 2006 by \$289,919. There was no impact on cash flows from operations, investment, or financing in connections with the adoptions of SFAS 123R. As the Company uses the full valuation allowance with respect to deferred taxes, the adoption of SFAS 123R had no impact on deferred taxes.

12. *Use of Estimates*

The preparation of financial statements in conformity with accounting principles generally accepted in the United States requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the financial statements, the reported amounts of revenues and expenses during the reporting period, and disclosure of contingent assets and liabilities. Actual results could differ from those estimates.

Estimates and assumptions which, in the opinion of management are used in accounting for, among other things, long-term contracts, allowances for uncollectible receivables, recoverability of goodwill and other long-lived assets, depreciation and amortization, valuation of deferred income taxes, convertible notes and related preferred stock, and stock options, discounts, embedded derivatives, and warrants outstanding.

**OTHER MATTERS**

Not Applicable

**RECENT ACCOUNTING STANDARDS**

In June 2006, the Financial Accounting Standards Board (FASB) issued FASB Interpretation No. (FIN) 48, *Accounting for Uncertainty in Income Taxes - An Interpretation of FASB Statement No. 109*, which prescribes a recognition threshold and measurement attribute for the financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. FIN 48 will be effective beginning Q1 2007. We have not yet evaluated the impact of implementation on our consolidated financial statements.

## DESCRIPTION OF THE BUSINESS

### Overview

BIO-key International, Inc., a Delaware corporation (the "Company," "BIO-key," "we," or "us"), was founded in 1993 to develop and market proprietary biometric technology and software solutions. Biometric technology is the science of analyzing specific human characteristics which are unique to each individual in order to identify a specific person from a broader population.

On March 30, 2004, BIO-key acquired Public Safety Group, Inc. (PSG), a privately held company that is a leader in wireless solutions for law enforcement and public safety markets. PSG's primary technology is PocketCop, a handheld solution that provides mobile officers, such as detectives who are not typically in their vehicles, a hand-held mobile information software solution.

On September 30, 2004, BIO-key completed a transaction with Aether Systems, Inc. to purchase its Mobile Government Division ("Mobile Government" or "AMG"), a leading provider of wireless data solutions for use by public safety organizations, primarily state, local police, fire and rescue and emergency medical services organizations. The PacketCluster mobile information software is integrated with 50 separate State/NCIC databases, as well as other state, local and federal databases. Its open architecture and its published Application Programming Interface (API) make it easy to interface with a wide range of information sources. PacketCluster products deliver real-time information in seconds, freeing dispatchers to handle more pressing emergencies.

Effective January 1, 2005, BIO-key International, Inc., a Minnesota corporation ("Old BIO-key"), reincorporated in the State of Delaware. The reincorporation was effected pursuant to an Agreement and Plan of Merger (the "Merger Agreement") whereby Old BIO-key was merged with and into the Company, its wholly owned subsidiary, in order to reincorporate in the State of Delaware (the "Reincorporation"). As a result of the Reincorporation, the legal domicile of the Company is now Delaware.

Pursuant to the Merger Agreement, at the effective time of the Reincorporation: (i) each outstanding share of Common Stock of Old BIO-key, \$0.01 par value per share, was automatically converted into one share of Common Stock, \$0.0001 par value per share, of the Company; (ii) each outstanding share of Series C 7% Convertible Preferred Stock of Old BIO-key, \$0.01 par value per share, was automatically converted into one share of Series A 7% Convertible Preferred Stock, \$0.0001 par value per share, of the Company, with such Series A 7% Convertible Preferred Stock containing substantially identical terms and conditions as the Series C 7% Convertible Preferred Stock of Old BIO-key; (iii) each option to purchase shares of Old BIO-key's Common Stock granted by Old BIO-key under any warrant, stock option plan or similar plan of Old BIO-key outstanding immediately before the Reincorporation was, by virtue of the Merger Agreement and without any action on the part of the holder thereof, converted into and become an option to purchase, upon the same terms and conditions, the same number of shares of the Company's Common Stock at an exercise price per share equal to the exercise price per share thereunder immediately before the Reincorporation; and (iv) each warrant, option or stock option plan of Old BIO-key was assumed by, and continues to be, a warrant, option or plan of the Company. Accordingly, as a result of the Reincorporation, the shareholders of Old BIO-key became shareholders of the Company, and Old BIO-key has been merged out of existence by operation of law. Each certificate representing shares of capital stock of Old BIO-key outstanding immediately before the Reincorporation, is deemed from and after the Reincorporation for all corporate purposes to represent the same number of shares of capital stock of the Company.

As a result of these recent mergers, and as discussed in Note M to the Consolidated Financial Statements included in this prospectus, we have organized the Company into three reporting segments: Law Enforcement, Fire Safety and Biometrics. During 2005, the Company continued to integrate the products, operations and technologies acquired from Public Safety Group, Inc. and Aether Systems, Inc.

## Products

BIO-key® operates in three major segments biometrics, law enforcement and fire safety. These segments are described below and a list of products in each line is noted.

### *Biometrics*

BIO-key's finger identification algorithm Vector Segment Technology (VST ) is the core intellectual property behind its full suite of biometric products that include:

**Vector Segment Technology SDK (VST)** BIO-key's biometric development kit that provides developers the ability to take advantage of a highly accurate, device interoperable algorithm. VST is available as a low level SDK for incorporation into many complex application systems. VST runs in Windows, Linux or Solaris systems.

**True User Identification®** BIO-key's biometric identification solution that offers large scale one to many user lookup with nothing but a single fingerprint. This solution leverages the power of Oracle for large scale solutions in the millions of users, or uses smaller databases for more modest applications to 100,000 users.

**WEB-key®** BIO-key's biometric platform that offers an enhanced level of security by securing the user's authentication with trusted communications and simple use. WEB-key runs on Windows or Linux systems.

**Biometric Service Provider** BIO-key provides support for the BioAPI (a standards based solution meeting worldwide needs, see [www.bioapi.org](http://www.bioapi.org) for details) for a compliant interface to applications using biometrics for verification and identification. BIO-key enhances the traditional use of the BioAPI by adding support for CE devices, supporting identification calls and also providing a single user interface for multiple fingerprint readers.

**ID Director** BIO-key's solution for single sign on integration with Computer Associates SiteMinder, Oracle's Fusion Middleware SSO, and other solutions, utilizing the power and security of WEB-key. This solution provides a simple to implement, custom authentication scheme for companies looking to enhance authentication and add a level of security and audit through re-authentication of a user at the transaction level.

The Company's biometric identification technology improves both the accuracy and speed of finger-based biometrics. The Company's proprietary biometric technology scans a fingerprint and identifies a person, typically within a few seconds or less, in databases of a million people or more. BIO-key can accomplish this without using any other identifying data a key differentiator for BIO-key since other biometric solutions may also require traditional token/card identification. BIO-key's core technology supports user enrollment on over 40 different commercially available readers and in turn can offer compatibility among those readers through a single fingerprint template. We have also added INCITS 378-2004 support to our software development kits which makes our products compatible with all of the Registered Traveler projects, PIV initiatives, and FIXS consortium solutions. We believe our fingerprint identification technology has a broad range of possible information security and access control applications, including:

Securing Internet sites and electronic transactions

Securing access to logical networks and applications

Securing access to buildings and restricted areas

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Providing fast, accurate member identification services

Securing mobile devices such as cell phones and PDA's

Preventing identity theft with positive identification and false alias validation

*Law Enforcement*

**MobileCop** A complete wireless query and messaging application that puts the power of mobile and wireless technology to work for agencies of every size, MobileCop sets the standard for mobile law enforcement. Providing real-time retrieval of motor vehicle, warrant and criminal history information, powerful mobile integration capabilities, and an intuitive user interface, MobileCop delivers the most in performance and it's easy to see why over 1,200 law enforcement agencies around the country have deployed MobileCop for fast and secure access to critical information in the field.

**PocketCop®** PocketCop® is a software solution that provides police officers and other security personnel instantaneous access to important criminal, civil, and private database information in a wireless environment. PocketCop® is a handheld application that allows law enforcement officers to access state and federal databases over the wireless network for Palm OS, Windows CE, and Pocket PC. Using a portable wireless handheld device and the PocketCop® application software, an authorized user can access suspect information such as wanted status, warrant status, vehicle registration and driver license status. PocketCop® technology has been deployed in numerous police departments in the United States, including the deployment for the Massachusetts State Police.

**IdentityMatch** a web-based system that allows law enforcement agencies to capture and store fingerprints online and to identify subjects by matching their fingerprint against those stored in the database, securely and in real time. Fingerprints can be captured using a live scan device from existing 10-print cards or through a wide variety of inexpensive commercially available fingerprint readers. This is an AFIS companion, not a replacement, product designed to maximize the value of fingerprint data and also to provide a new level of safety for the law enforcement personnel.

BIO-key also provides a number of optional features designed to augment the core Law Enforcement products. These include:

**Field Interview Tracker** enables personnel to capture field contact information. The data is stored in a searchable database where it can be located quickly. Police agencies can create online contact forms that meet their specific needs and multiple agencies can share information while using their own forms and procedures.

**TStop** was developed to enable law enforcement agencies to comply with state mandated and voluntary traffic stop reporting. Law enforcement personnel can capture the required information on their mobile computer and transmit it to the server where it is stored and can generate reports.

**State Crash Report** enables personnel to use their mobile computer to collect data needed for their state's crash report. This data can be wirelessly transmitted to a server so a supervisor can review and approve it. Once complete the report can be printed in the state's format. Only selected states are supported.

**Multiple Application Programming Interface (API)** allows an agency to have multiple ports to the server to accommodate disparate interfaces. These multiple API ports are in addition to the one port that is inherent in the server as well as the State/NCIC interface.

**Incident Command** using FieldSoft's PDonScene, this solution is used by both patrol and tactical teams, such as a SWAT, to manage people and resources at the scene of an incident or

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at a central location such as an emergency operations center. It can also be used for general event management.

**InfoServer** BIO-key's solution for an agency's central messaging switch for application software service, State/NCIC interfaces, Computer Aided Dispatch (CAD) and Records Management Software (RMS) interfaces, data sharing and other applications.

### *Fire Safety*

In addition to law enforcement/fire service mobile data solutions, BIO-key offers its Sunpro fire service/EMS records management software, FireRMS , that helps large and small agencies manage operations, track incidents and support fire prevention initiatives. FireRMS Mobile provides wireless query and messaging solutions that extend computer aided dispatch, fire records, and other in-house data sources to a mobile environment and provide mission-critical information to emergency response personnel where and when they need it.

**PacketCluster® Rescue** BIO-key's mobile information solution for fire and EMS, runs off the same server as MobileCop . It provides much of MobileCop functionality without the State/NCIC interface not required by fire service and EMS. Rescue provides mission-critical data such as HAZMAT information and building plans that fire service officers need to know while at a fire scene.

**FireRMS Records Management Software** this NFIRS 5.0-compliant fire records system helps manage operations, track incidents and support fire prevention initiatives. It is designed to speed data entry and reduce completion time for front-line personnel.

**CAD Interfaces** CAD interfaces provide a connection between BIO-key records and all major CAD systems with the most comprehensive real time integration. Incident reports are opened as soon as CAD dispatches a call. Incidents are current and ready to complete when the crew returns to the station, streamlining and improving the accuracy of incident reporting.

**RMS Interfaces** RMS interfaces provide a mechanism to integrate patient care reports collected in the field with the NIBRS report. Patient data is populated in the appropriate fields, eliminating redundant data entry.

**Other Interfaces** BIO-key provides interfaces to other third party solutions including EMS billing, EMS county/state interfaces, professional staffing solutions and others.

BIO-key also offers the following Fire/EMS Partner solutions:

**EMS Field Data Collection** Regist\*r Express from MedDataSolutions enables EMS field data collection for efficient collection of patient data where it is generated.

**Geographic Data Analysis** FireView from the Omega Group allows Fire and EMS agencies to analyze their deployment strategies.

**Personnel Staffing** Telestaff from PDSI automates and manages complex Fire/RMS agency staffing needs and is integrated with FireRMS's Personnel and Roster modules.

**Incident Command Module** FDonScene by FieldSoft provides incident management, responder accountability, and tactical survey or preplan browser software solutions. FDonScene interfaces with PacketCluster Rescue to support incident management-en route or on scene.





## Current Business Plan

BIO-key's current business plan is to:

**License its core technology "VST" and True User Identification®** to original equipment manufacturers, systems integrators, and application developers who develop products and applications that utilize its biometric finger matching solutions.

**License WEB-key®**, the Company's security centric web-based biometric authentication solution.

**Provide for "device independent" finger identification matching** for virtually any application by using the latest advances in scanning technology.

**License its wireless software solutions for the public safety market** directly to counties, cities and towns across North America as well as through systems integrators and resellers.

**Leverage its FireRMS suite of products** for the growing Emergency Medical Service data collection and reporting market.

**Integrate its core technology competencies** to leverage new business opportunities and develop new markets for its innovative products.

## Markets

### *Law Enforcement*

BIO-key's InfoServer , MobileCop and PocketCop® Law Enforcement products are the leading wireless mobile data communications client/server solution, implemented in more than 1,200 agencies nationwide. Providing immediate access to mission-critical data and enabling in-field reporting, BIO-key software keeps officers on the street, improving their productivity and enhances officer safety. BIO-key solutions are able to run across any and all wireless infrastructures and integrate with virtually all computer-aided dispatch (CAD) and records management systems. This makes us a proven leader in multi-agency cooperation and interoperability, which are absolutely critical in times of large-scale natural and terrorist threats.

*Growth potential* BIO-key's large base of more than 1,200 law enforcement agencies continues to be a strength that helps leverage additional sales from both existing customers and new customers. A key opportunity is the growing awareness of the need for multi-agency interoperability. In these situations, BIO-key offers:

BIO-key's LE products can run on any and all wireless infrastructures. BIO-key also has proven success implementing seamless roaming across multiple infrastructures for multi-agency consortiums.

BIO-key's open architecture.

BIO-key has experience in large, complex and multi-agency implementations such as Hamilton County, Ohio, Sheriff's Office and Pennsylvania State Police.

These capabilities position BIO-key well to work with leading CAD vendors, even with vendors that have mobile data solutions but do not have the depth of interoperability capability that BIO-key offers.

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An additional growth area is the introduction of BIO-key's finger-based biometric identification to law enforcement. In addition to now offering biometric login to our traditional InfoServer product, we have introduced the IdentityMatch fingerprint identification solution, which lets law enforcement personnel capture fingerprints in the field and, using BIO-key's patented Vector Segment Technology®, then analyzes and categorizes fingerprints the same way a fingerprint expert would only faster. IdentityMatch also enables multiple law enforcement agencies to share fingerprint data with other agencies. This powerful tool, built on BIO-key's understanding of law enforcement requirements and its fingerprint technology, presents opportunities for the law enforcement business segment in the coming year.

### *Fire Safety*

BIO-key's FireRMS fire records management software is a flexible solution available for Fire Service and EMS agencies. It is a comprehensive collection of modules that manage a range of activities from daily scheduling to vehicle maintenance. FireRMS streamlines data collection across all areas of department operations, and integrates with other department systems to provide a seamless solution for data access, whether in the station or on the scene of an incident. In addition to helping first responders efficiently deliver traditional fire safety and services and respond to massive emergency situations, it enables adherence to NFIRS, NEMESIS, HIPAA, and ISO requirements. The solutions also bring the station into the field with mobile data communications solutions, and most recently, FireRMS Mobile, which brings the capabilities of FireRMS to first responders where and when they most need to report and access critical information.

*Growth potential* a growth opportunity for the fire business segment is in the mobile market with the RMS mobile products. BIO-key's FireRMS Mobile solutions extend the power of our FireRMS product to the field. Inspectors, for example, can now perform occupancy inspections over a wireless or synched connection using a pen tablet. This approach eliminates redundant data entry, and provides immediate updates of critical information and notification of violations. Likewise, EMS workers can collect critical patient data and relay the data to medical personnel. This new mobile approach to fire and EMS data collection and access offers great potential among both new and existing FireRMS customers.

### *Finger-based Biometric Identification*

Finally, BIO-key is a leader in finger-based biometric identification. In partnerships with OEMs, integrators, and solution providers, we provide biometric software solutions to private and public sector customers. BIO-key's patented vector segment technology is the foundation for these solutions.

BIO-key's WEB-key® is a cost-effective, easy-to-deploy, fingerprint-based strong authentication system. This unique solution allows users to positively identify themselves to any application with the simple scan of their finger. This capability is a significant improvement in both convenience and security over other alternatives and provides companies with a cost-effective solution to thwart phishing attacks and comply with government regulations and legislation such as FFIEC compliance, HIPAA, Sarbanes-Oxley, and the Electronic Signatures Act. BIO-key couples these capabilities with device interoperability and system flexibility and scalability. BIO-key enables the use of about 40 different fingerprint sensor technologies to enroll and identify employees, customers or business partners. Most recently, BIO-key integrated its biometric capabilities with its public safety mission with the introduction of IdentityMatch, a real-time, in-station solution that allows law enforcement professionals to capture fingerprints from a suspect or captured from a crime scene and compare them to fingerprints. BIO-key has also formed relationships with providers of biometric logon software like IdentiPHI, Softex, and Computer Associates to provide enterprise-ready SingleSignOn systems to many large companies in the US and abroad. Also, BIO-key has integrated to a pure physical access solution in NextGenID, which has been deployed at BIO-key facilities.

*Growth potential* As the provider of the core technology, BIO-key's greatest growth potential for this market is as a partner with companies that offer cutting-edge applications that address growing concerns particularly about identity theft and terrorism.

For example, BIO-key has implemented programs that will enable biometric access. These include a national pilot with a large fitness center chain to provide finger-based membership and access to its locations around the country; with IdentiPHI to provide strong network based authentication on BIO-key technology; and with the Pegasus Program to authenticate users accessing a nationwide information-sharing system designed by and for the nation's sheriffs. These represent the kind of partnership-based opportunities BIO-key may see in the finger-based biometric market.

In parallel, BIO-key is both strengthening security and improving user and system administrator convenience by integrating biometric log-in, as well as two-factor authentication, with its law enforcement and fire safety products. This is a true differentiator to potential new customers, and creates add-on opportunities with existing customers.

## **Competition**

The markets for BIO-key products and technologies are developing and are characterized by intense competition and rapid technological change. No assurance can be given that our competitors will not develop new or enhanced technologies that will offer superior price, performance, or features, or render BIO-key products or technologies obsolete.

### *Biometrics*

In addition to companies that provide existing commonplace methods of restricting access to facilities and logical access points such as pass cards, PIN numbers, passwords, locks and keys, there are numerous companies involved in the development, manufacturing and marketing of fingerprint biometrics products to commercial, government, law enforcement and prison markets. These companies include, but are not limited to, Cogent, NEC, IDENTIX, Sagem-Morpho, and Bioscrypt.

The most recent automated fingerprint identification product sales in the market have been deployed for government and law enforcement applications, typically at more cost than BIO-key's products and licensing arrangements. Although most companies that target consumer application markets have completed development of their biometric products, such technologies have not been widely accepted in the commercial markets to date. Most companies competing for commercial opportunities are in the business of selling scanning devices and tie their algorithm to a specific device. BIO-key has created a "device independent" algorithm that provides flexibility in choosing the correct device and optical or tactile sense to fit the application served.

BIO-key has found that commercial markets have been slow to widely purchase biometrics as a viable alternative to their current security methods. As a result, the primary competition for biometric technology consists of traditional security methods such as passwords, PINs, cards, and tokens.

With respect to competing biometrics technologies, each has its strength and weaknesses and none has emerged as a market leader:

*Fingerprint identification* is generally viewed as inexpensive and non-intrusive.

*Iris scanning* is viewed as accurate, but can be expensive and inconvenient to use.

*Facial recognition* has recently received substantial attention; however, it can have accuracy limitations and be highly dependent on ambient lighting conditions, angle of view and other factors.

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The market for biometric technology is evolving. Computer breaches, identity theft, phishing and other events in the recent past are driving a large-scale shift to biometric deployments. In addition, companies such as IBM, Dell, Gateway, MPC, Samsung and HP have all introduced computers with integrated finger scanning devices to complement the conventional username/password technique since it is highly susceptible to hackers and security breaches. BIO-key supports these integrated devices for broader enterprise level security solutions.

### *Law Enforcement*

The public safety market comprises agencies at all government levels, with a range of users, from a few to many hundreds. BIO-key competitors in the mobile data market include Computer Aided Dispatch/Records Management companies such as Printrak, InfoCop and Motorola. Each has comprehensive CAD and/or RMS offerings and has augmented those with their own mobile data and field reporting solutions. While these solutions may not be as functionally rich as the BIO-key suite of products, they are sometimes less expensive. They also provide a complete solution from one vendor.

### *Fire Safety*

The fire records management market includes a large number of RMS vendors including Firehouse, FDM and ETI. These and other competing companies represent a wide range of organizations, from large integration companies, to small garage companies, and offer products similar in scope to BIO-key's FireRMS. The functionality and price of these products also encompass wide ranges of features and costs.

## **Marketing and Distribution**

BIO-key's marketing and distribution efforts comprise the following major initiatives:

During the past year, BIO-key has strengthened its alliance with Oracle and has been recognized as a Certified Partner in the Oracle Partner Network. BIO-key supports the Oracle e-business suite of applications and provides the biometric enabler for the Oracle Single Sign on product. As an Oracle development partner, BIO-key provides the underlying database used for true user identification and on demand alias checking. As a development partner, BIO-key participates in Oracle Trade Shows such as Oracle Open World and Oracle Apps World.

BIO-key has strategic alliances with technology leaders including Oracle, Netegrity, Hewlett Packard, Dell, Verizon, Sprint/Nextel, Cingular and others.

BIO-key is also promoting biometric technology and its offerings through industry trade shows, public speaking engagements, press activities and partner marketing programs

BIO-key is directing licensing efforts to original equipment manufacturers, application developers and system integrators.

BIO-key is building a reseller, integrator and partner network as well as a direct sales team.

Following are the specific marketing/sales programs in place:

*Direct Selling Efforts* BIO-key now has a base of area sales directors who are responsible for both the law enforcement and fire safety markets. This team of sales professionals brings extensive experience in technical solution and relationship-based selling. They are supported by a pre-sales team that includes system engineering and proposal management and a post-sales program management, implementation and training professionals. Included in this team are individuals who are themselves former police officers and firefighters.

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BIO-key's direct sales force also includes area sales directors for the OEM and Federal Government markets, each of whom brings not only extensive sales experience but also expertise in emerging biometric technologies. The BIO-key sales force is rounded out by Inside Sales, which is responsible for maintaining and supporting our existing install base, acting as a front-line support for any inquiries on our product line, and facilitating activities that make the field team more productive.

*Conferences and Trade Shows* BIO-key attends and actively participates in various product-related conferences and trade shows in the technology and security industries to generate market awareness of biometric and wireless mobile data technology generally and our offerings specifically. BIO-key's public safety software often is featured at our business partners' booths at these events, showcasing the interoperability of the two products.

*Strategic Alliance* BIO-key's strategic alliances and reseller agreements with other vendors play a significant role in our overall sales efforts. In the past year, BIO-key has initiated and bolstered numerous important and promising long-term relationships. Just a few examples include:

BIO-key is partnering with Cingular, the largest wireless carrier in the country, to first responders in a seven-county Tennessee consortium of fire, police and EMS agencies in access to mission critical information using MobileCOP solution in conjunction with Cingular's nationwide\* EDGE wireless data network.

The Omega Group continues to provide FireView software mapping tools that help review existing deployment policies and develop new strategies, to complement BIO-key's range of solutions for Fire/EMS agencies.

BIO-key now resells solutions from ThreatScreen that provide an exposure-diagnostic/identification, data collection, and reporting tool to first responders so they can quickly assess victims to determine chemical, biological, or nuclear agent exposure.

Silex Technology America, Inc., which develops fingerprint reader products designed to support a variety of secure computing options, utilizes BIO-key's VST and WEB-key technology.

*Strategic Marketing Alliance* BIO-key has established a strategic marketing alliance with Hewlett Packard to provide BIO-key handheld technology for the Massachusetts State Police.

*Reseller Relationships* BIO-key has established reseller relationships with companies that resell BIO-key public safety software.

### Licensing

BIO-key targets both Internet infrastructure companies and large portal providers as possible licensees for its WEB-key® solution. On the Internet infrastructure side, BIO-key seeks to partner with Internet server manufacturers, providers of database and data warehouse engine software, horizontally positioned application engines, firewall solution providers and peripheral equipment manufacturers. On the portal side, BIO-key is targeting financial service providers such as credit and debit card authorization and issuing institutions, Internet retailers, business-to-business application service providers (ASPs) and corporate intranets. In the past three years, BIO-key has undertaken a WEB-key® and VST direct selling effort, and entered into license agreements with OE