

ANDREA ELECTRONICS CORP  
Form 10-K  
March 29, 2013

**UNITED STATES**

**SECURITIES AND EXCHANGE COMMISSION**

**Washington, D.C. 20549**

**FORM 10-K**

**x ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

**For the Fiscal Year Ended December 31, 2012**

**or**

**.. TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

**For the transition period from \_\_\_\_\_ to \_\_\_\_\_**

**Commission file number 1-4324**

**ANDREA ELECTRONICS CORPORATION**

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

New York	11-0482020
(State or other jurisdiction of incorporation or organization)	(I.R.S. employer identification no.)

65 Orville Drive, Bohemia, New York	11716
(Address of principal executive offices)	(Zip Code)

**Registrant's telephone number, including area code: 631-719-1800**

**Securities registered pursuant to Section 12(b) of the Act: None**

**Securities registered pursuant to Section 12(g) of the Exchange Act:**

**Common Stock, par value \$.01 per share**

**Title of class**

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes  No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes  No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes  No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes  No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of the registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one)

Large Accelerated Filer

Accelerated Filer

Non-Accelerated Filer

Smaller Reporting Company

(Do not check if a smaller reporting company)

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes  No

The aggregate market value of the voting and non-voting common equity held by non-affiliates was \$1,990,662 based upon the closing price of \$0.04 as quoted on the OTC Bulletin Board on June 30, 2012.

The number of shares outstanding of the registrant's Common Stock as of March 22, 2013, was 63,721,035.

**DOCUMENTS INCORPORATED BY REFERENCE**

None

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SIGNATURES

**PART I**

**ITEM 1. BUSINESS**

## Overview

Andrea Electronics Corporation (“Andrea,” “us,” “we,” “our”) designs, develops and manufactures state-of-the-art microphone technologies and products for enhancing speech-based applications software and communications that require high quality, clear voice signals. Our technologies eliminate unwanted background noise to enable the optimum performance of various speech-based and audio applications. We are incorporated under the laws of the State of New York and have been engaged in the electronic communications industry since 1934.

Andrea’s products and technologies optimize the performance of speech-based applications and audio applications primarily in the following markets:

- computer speech recognition applications;
- computer voice over the internet protocol (VoIP) applications; and
- consumer electronics accessories.

*Andrea Digital Signal Processing (“DSP”) Microphone and Audio Software Business* – Our patented and patent-pending digital noise canceling technologies enable a speaker to be at a distance from the microphone (we refer to this capability as “far-field” microphone use), and free the speaker from having to use a close talking microphone. Our Digital Super Directional Array (“DSDA”) and Pure Audio microphone products convert sound received by an array of microphones into digital signals that are then processed to cancel background noise from the signal to be transmitted. These two adaptive technologies represent the core technologies within our portfolio of far-field technologies. In addition to DSDA and Pure Audio, Andrea has developed and commercialized several other digital, far-field noise canceling technologies, including, among others, Andrea EchoStop, a high-quality acoustic echo canceller which enables speaker phone functionality with technology for canceling unwanted stationary noises.

All of our digital, far-field microphone technologies are software-based and operate using either a dedicated DSP or a general purpose processor (for example, the Intel Pentium). The software, which may encompass one or all of our far-field noise canceling technologies, can be applied to improve the performance of a single microphone or multiple microphones. In addition, our digital, far-field, noise canceling technologies can be tailored and implemented into various form factors, including for example, into the monitor of a PC, a personal digital assistant or a rear view mirror, and can be used individually or combined depending on particular customer requirements.

We are currently targeting our far-field technologies at: 1) the desktop and laptop computing market; 2) the video and audio conferencing market; and 3) the market for personal hands free communication designed for use in automobiles, trucks and buses to control PCs and cellular communication. Our far-field, digital noise canceling technologies and related products, together with implementations of other high-end audio technologies (for example, our software noise cancellation technology) comprise our Andrea DSP Microphone and Audio Software line of business. Net revenues of such technologies and products during the years ended December 31, 2012 and 2011 was approximately 36% and 47%, respectively, of our total net revenues. We dedicate a significant amount of our marketing and research and development resources to this business segment, as we believe that communication products will increasingly require high performance, untethered (hands-free and headset-free) microphone technology.

*Andrea Anti-Noise Product Business* – Our headset microphone products help to ensure clear speech in personal computer and VoIP headset applications. Our Active Noise Cancellation microphone technology uses electronic circuits that distinguish a speaker’s voice from background noise in the speaker’s environment and then cancels the noise from the signal to be transmitted by the microphone. Our Active Noise Reduction headphone technology uses electronic circuits that distinguish the signal coming through an earphone from background noise in the listener’s environment and then reduces the noise heard by the listener. Together with our standard Noise Canceling headset products, these products comprise our Andrea Anti-Noise Product operating segment. During the years ended December 31, 2012 and 2011, net revenues from our Andrea Anti-Noise Product operating segment was approximately 64% and 53%, respectively, of our total net revenues.

For more financial information regarding our operating segments, see Note 12 of the accompanying consolidated financial statements.

## **Industry Background**

Our primary mission is to provide the emerging “voice interface” markets with state-of-the-art microphone and communication products. The idea underlying these markets is that natural language spoken by the human voice will become an important means by which to communicate and control many types of computing devices and other appliances and equipment that contain microprocessors. We are designing and marketing our products and technologies to be used for these “natural language, human/machine” interfaces with:

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- desktop, laptop and hand-held computers, mobile personal computing devices and cellular phones;
- video and audio conferencing systems; and
- automotive communication systems.

We believe that end users of these applications and interfaces will require high quality microphone and earphone products that enhance voice transmission, particularly in noisy office and mobile environments. We also believe that these applications will increasingly require microphones that are located at a distance from the person speaking, or far-field microphone technology. Applications in this area include:

- continuous speech dictation to personal computers;
- multiparty video teleconferencing and software that allow participants to see and jointly communicate; and
- cellular hands free interfaces for automobiles, home and office automation.

We believe that an increasing number of these devices will be introduced into the marketplace during the next several years.

## **Our Strategy**

Our strategy is to:

- maintain and extend our market position with our Andrea DSP Microphone and Audio Software technologies and products and our higher margin Andrea Anti-Noise products;
- develop relationships with companies that have significant distribution capabilities for our Andrea DSP Microphone and Audio Software technologies and products and Andrea Anti-Noise products;
- broaden our Andrea DSP Microphone and Audio Software product lines and Andrea Anti-Noise product lines through a more modest, but still healthy level of internal research and development;
- design our products to satisfy specific end-user requirements identified by our collaborative partners; and
- outsource manufacturing of our products in order to reduce fixed overhead and achieve economies of scale.

An important element of our strategy for expanding the channels of distribution and broadening the base of users for our products is our collaborative arrangements with manufacturers of computing and communications equipment and software publishers that are actively engaged in the various markets in which our products have application. In addition, we have been increasing our own direct marketing efforts to new market bases such as consumer electronics accessory distributors and existing market bases such as those companies increasingly using distance learning applications.

The success of our strategy will depend on our ability to, among other things:

- increase net revenues of Andrea DSP Microphone and Audio Software products and our line of existing Andrea Anti-Noise products;
- continue to contain costs;
- introduce additional Andrea DSP Microphone and Audio Software products and Andrea Anti-Noise products;
- maintain the competitiveness of our technologies through focused and targeted research and development; and
- achieve widespread adoption of our products and technologies through ongoing marketing efforts.

## **Our Technologies**

We design our Andrea DSP Microphone and Audio Software and Andrea Anti-Noise products to transmit voice signals with the high level of quality, intelligibility and reliability required by the broad range of voice-based applications in computing and telecommunications. We achieve this through the use of several audio technologies that employ software processes that are proprietary to us. Software processes of this type are commonly referred to as algorithms.

### ***Andrea DSP Microphone and Audio Software Technology***

This set of technologies is generally based on the use of an array of microphones from which the analog signals are converted to digital form and then processed using digital electronic circuitry to eliminate unwanted noise in the speaker's environment. Our Andrea DSP Microphone and Audio Software Products provide clear acoustic and audio input performance where the desired audio signal is at a distance from the microphone. An example of this is a person using a notebook computer with embedded web cam and array microphone who wants to video conference using VoIP with a friend in another country. We have also engineered our Andrea DSP Microphone and Audio Software Products to be compatible with Universal Serial Bus, or USB, computer architecture. USB is an

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industry standard for connecting peripherals, such as microphones, earphones, headsets, keyboards, mice, joysticks, scanners and printers, to personal computers. We believe that our Andrea DSP Microphone and Audio Software technology achieve far-field microphone performance previously unattainable through microphones based on mechanical acoustic designs and microphones based on analog signal processing.

Our Andrea DSP Microphone and Audio Software Products include the use of the following technologies, among other technologies and techniques:

*Digital Super Directional Array* (“*DSDA*”®). Andrea's patented DSDA adaptive beam forming system powers Andrea's SuperBeam microphone which enables more intelligible audio by forming a beam toward the speaker and eliminating background noises that are outside of the beam. DSDA microphone technology enables high quality far-field communications by centering microphone sensitivity on a user's voice and canceling noise outside of that signal. DSDA continuously samples the ever changing acoustic properties within an environment and adaptively identifies interfering noises that are extraneous to the voice signal, resulting in increased intelligibility of communications.

*PureAudio*®. Andrea's PureAudio patented and award winning noise reduction speech enhancement algorithm significantly improves intelligibility of voice audio and accuracy in speech driven applications, particularly in high noise environments. PureAudio is especially effective for use with speech recognition and mobile devices. PureAudio is a noise canceling algorithm that enhances applications that are controlled by speech by sampling the ambient noise in an environment and attenuating the noise from sources near or around the desired speech signals, thus delivering a clear audio signal. Designed specifically to improve the signal-to-noise ratio, PureAudio is effective in canceling stationary noises such as computer and ventilation fans, tires and engines.

*EchoStop*®. Andrea's patented EchoStop provides a full duplex acoustic echo cancellation algorithm enabling both speakers to broadcast and microphone to transmit simultaneously turning your PC into a high quality speakerphone.

EchoStop is an advanced acoustic echo canceller (stereo version available) developed for use with conferencing systems such as group audio and videoconferencing systems and cellular car phone kits. EchoStop allows true two-way communication (often referred to as full duplex) over a conferencing system, even when the system is used in large spatial environments that may be vulnerable to extensive reverberation. EchoStop incorporates noise reduction algorithms to reduce the background noise of both the microphone input and the loudspeaker output, thus preventing the accumulation of interfering noise over conferencing systems that facilitate communication among multiple sites.

*SuperBeam*<sup>®</sup>. SuperBeam is a highly accurate digital algorithm that forms an acoustic beam that extends from the microphone to the speech source in an environment. We believe SuperBeam provides a fixed noise reduction microphone solution for the typical acoustic environment found in room environments in which speech is used, such as in offices and homes. The microphone beam is generated by processing multiple microphone samples through pre-established digital filters and adding the outputs. The result is an optimum speech enhancement and noise reduction solution to a predefined setting. Because the beam is able to adapt to changes in the acoustic environment, this technology is called adaptive beamforming.

### ***Andrea Anti-Noise Technologies***

*Noise Cancellation (“NC”) Microphone Technology.* This technology is based on the use of pressure gradient microphones to reduce the transmission of noise from the speaker’s location. Instead of using electronic circuitry to reduce noise, pressure gradient microphones rely on their mechanical and acoustic design to do so. Our NC microphones are well-suited for applications in which there is less background noise in the speaker’s environment.

*Active Noise Cancellation (“ANC”) Microphone Technology.* This technology is based on analog signal processing circuits that electronically cancel the transmission of noise from the speaker’s location. ANC is particularly well-suited for those environments in which the speaker is surrounded by high levels of ambient background noise.

Our ANC and NC microphones are most effectively used in “near-field” applications where the microphone is next to the speaker’s mouth such as a headset environment.

*Active Noise Reduction (“ANR”) Earphone Technology.* This technology is based on analog signal processing circuits that electronically reduce the amount of noise in the environment that the listener would otherwise hear in the earphone. Our ANR earphones improve the quality of speech and audio heard by a listener in noisy environments, particularly those characterized by low frequency sounds, such as those in aircraft, machine rooms, factories, automobiles, trucks and other ground transportation equipment.

### **Our Products and their Markets and Applications**



Our Andrea DSP Microphone and Audio Software Products and Andrea Anti-Noise Products have been designed for applications that are controlled by or depend on speech across a broad range of hardware and software platforms. These products incorporate our DSP, NC, ANC and ANR microphone technologies, and are designed to cancel background noise in a range of noisy environments, such as homes, offices, factories and automobiles. We also manufacture a line of accessories for these products. For the consumer and

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commercial markets, we have designed our Andrea DSP Microphone and Audio Software Products and Andrea Anti-Noise Products for the following applications:

- Speech recognition for word processing, database, and similar applications;
- Distance Learning (education through the use of Internet-based lessons and training information);
- Audio/videoconferencing;
- Internet telephony and Voice Chat;
- Cellular and other wireless telecommunications; and
- Telematics, or in-vehicle computing (the use of computer-controlled systems in automobiles and trucks).

We market and sell our products directly to end users through our website, computer product distributors, through value-added resellers, to original equipment manufacturers and to software publishers. For more information about these collaborative arrangements, please refer to the information under the caption “Our Collaborative Arrangements.”

### ***Andrea DSP Microphone and Audio Software Products***

We develop our Andrea DSP Microphone and Audio Software Products primarily through customer-specific integration efforts, and we either license our related algorithms, sell a product incorporating our related algorithms, or both. For example, we have developed technologies that can be, or are, embedded into a PC, PC monitors, high-end videoconferencing units, IP telephony applications, automotive interiors and hand-held devices, among others. In addition, we have developed stand-alone products for specific customers who then sell such products to end users. As a result, such products are not available from us directly. However, as part of our strategy to increase sales to prospective customers desiring high-quality microphone performance for certain customer-specific environments, we have developed the following products that may be purchased directly from Andrea:

*Andrea SuperBeam Array Microphone.* Andrea’s patented DSDA™ adaptive beam forming system powers Andrea’s SuperBeam Array Microphone which enables more intelligible audio by forming a beam toward the speaker and

eliminating background noises that are outside of the beam. DSDA is particularly effective for small office/home office use, providing an untethered noise cancelling microphone experience while gaining all the benefits of a regular headset.

*Andrea USB-SA External Digital Sound Card.* Andrea's PureAudio™ USB-SA with patented noise reduction technology eliminates noise problems by utilizing high quality digital circuitry and state of the art noise reduction algorithm software. This format bypasses the desktop or laptop computer's sound system, providing increased intelligibility and performance of stereo microphone input and stereo speaker output for all of a user's digital audio applications including VoIP and speech recognition programs.

*Andrea AudioCommander™.* Andrea's PC Audio Control Panel, AudioCommander, includes a speaker volume adjustment with received PureAudio noise reduction control and a 10-band graphic equalizer with 18 built-in presets to customize sound for a user's listening preference. It also includes a microphone volume adjustment with noise reduction, beam forming, and acoustic echo cancellation controls. The software also includes an audio wizard that sets microphone levels to optimize PC audio for speech-enabled applications including speech recognition, Internet telephony and command and speech control functions.

*Andrea AutoArray™ Microphone ("AutoArray").* The AutoArray is a digital, high performance microphone system designed for computing applications in vehicles such as automobiles and trucks. It is the first super-directional audio input device designed specifically for in-vehicle computing. The AutoArray incorporates several technologies, including DSDA and PureAudio.

*Andrea VoiceCenter™ ("VoiceCenter").* The VoiceCenter is a multi-functional, digital voice recorder software application that enables recorded speech files to be applied for productivity as well as expressing personality. The digital WAV recorded files are automatically labeled and can be compressed with WMA for attachment to e-mail, used as voice memos, voice alarms (with a calendar reminder function) and even add your voice annotation to documents. The VoiceCenter also includes Andrea PureAudio noise reduction/speech enhancement technology for increasing the recording sound quality of any microphone.

### ***Andrea Anti-Noise Products***

Our Andrea Anti-Noise Products include a line of headsets, handsets and related accessories that incorporate our NC, ANC and ANR technologies. Our headsets are mostly differentiated by the various designs of their headband, microphone boom and earphone components and are available in both single earphone monaural and dual earphone stereo models.

*NC Products.* Our NC products are sold through our internal contact center, as well as to original equipment manufacturers for incorporation into, or for use with their products. Our headsets are designed so you can get the most out of your PC audio experience. In addition, with our new USB headset products, Andrea has combined the benefits of PureAudio USB digital audio which includes Andrea's complete PureAudio™ Voice Solutions Software Suite (including Audio Commander, Voice Center and Pure Audio

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Technology) with our noise cancelling PC headsets delivering a high fidelity audio experience with the highest voice recognition industry rating.

*BlueTooth NC Products.* Andrea Electronics is now offering our noise cancellation boom microphone technology in our BT-200 Bluetooth headset. This wireless headset solution enhances sound quality in noisy environments and provides the user with a PureAudio experience, as well as delivering superior speech dialing performance. As an added value, these products can be combined with a USB audio adapter that can be used to seamlessly communicate to a PC as well as with a cellular phone.

*ANC Products.* ANC Products are our premium close talking microphone platform for enhancing speech recognition applications. All of our ANC products are sold through our internal contact center. ANC headset products incorporate a dual microphone system design that optimizes the acoustic performance of the sound.

## **Our Collaborative Arrangements**

An important element of our strategy is to promote widespread adoption of our products and technologies by collaborating with large enterprises and market and technology leaders in telecommunications, computer manufacturing, and software publishing. In addition to the arrangements we are involved in, we are currently discussing additional arrangements with other companies, but we cannot assure that any of these discussions will result in any definitive agreements.

## **Patents, Trademarks, and Other Intellectual Property Rights**

We rely on a combination of patents, patent applications, trade secrets, copyrights, trademarks, nondisclosure agreements, and contractual restrictions to protect our intellectual property and proprietary rights. We cannot assure, however, that these measures will protect our intellectual property or prevent misappropriation or circumvention of

our intellectual property.

Andrea maintains a number of patents in the United States covering claims to certain of its products and technology, which expire at various dates ranging from 2013 to 2030. We also have other patent applications currently pending; however, we cannot assure that patents will be issued with respect to these currently pending or future applications which we may file, nor can we assure that the strength or scope of our existing patents, or any new patents, will be of sufficient scope or strength or provide meaningful protection or commercial advantage to us.

## **Research and Development**

We consider our technology to be of substantial importance to our competitiveness. To maintain this competitiveness, we have organized our research and development efforts using a “market and applications” approach for meeting the requirements of new and existing customers. Consistent with this approach, our engineering staff interacts closely with our sales and marketing personnel and directly with customers. The engineering staff is responsible for the research and development of new products and the improvement and support of existing products. For the years ended December 31, 2012 and 2011, total research and development expenses were \$749,879 and \$762,878, respectively. During 2013, we expect research and development expenses to remain at the same level when compared to 2012. We expect this will occur as a result of our overall plan to improve cash flows by containing our expenses. No assurance can be given that our research and development efforts will succeed. See “Part II – Item 7 – Management’s Discussion and Analysis of Financial Condition and Results of Operations.”

## **Sales and Marketing**

We employ a sales staff as well as outside sales representatives and sales organizations to market our Andrea DSP Microphone and Audio Software Products and our Andrea Anti-Noise Products. Andrea DSP Microphone and Audio Software Products and Andrea Anti-Noise Products are marketed to computer Original Equipment Manufacturers (“OEMs”), distributors of personal computers and telecommunications equipment, software publishers, and end-users in both business and household environments. These products are sold to end-users through distributors and value-added resellers, software publishers, Internet Service Providers and Internet Content Developers. Under our existing collaborative agreements, our collaborators have various marketing and sales rights to our Andrea DSP Microphone and Audio Software and Andrea Anti-Noise Products. We are seeking to enter into additional collaborative arrangements for the marketing and sale of our Andrea DSP Microphone and Audio Software Products and Andrea Anti-Noise Products, but we cannot assure that we will be successful in these efforts. Market acceptance of the Andrea DSP Microphone and Audio Software Products and Andrea Anti-Noise Products is critical to our success.

## **Production Operations**

In 2012 and 2011, all of our assembly operations were performed with subcontractors in Asia or in the United States. Most of the components for the Andrea DSP Microphone and Audio Software Products and Andrea Anti-Noise Products are available from several sources and are not characteristically in short supply. However, certain specialized components, such as microphones and DSP boards, are available from a limited number of suppliers and subject to long lead times. To date, we have been able to obtain sufficient supplies of these more specialized components, but we cannot assure that we will continue to be able to do so. Shortages of,

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or interruptions in, the supply of these more specialized components could have a material adverse effect on our sales of Andrea DSP Microphone and Audio Software Products and Andrea Anti-Noise Products.

### **Competition**

The markets for our Andrea DSP Microphone and Audio Software Products and Andrea Anti-Noise Products are highly competitive. Competition in these markets is based on varying combinations of product features, quality and reliability of performance, price, sales, marketing and technical support, ease of use, compatibility with evolving industry standards and other systems and equipment, name recognition, and development of new products and enhancements. Most of our current and potential competitors in these markets have significantly greater financial, marketing, technical, and other resources than us. Consequently, these competitors may be able to respond more quickly to new or emerging technologies and changes in customer requirements, or to devote greater resources to the development, marketing, and sale of their products than we can. We cannot assure that one or more of these competitors will not independently develop technologies that are substantially equivalent or superior to our technology.

We believe that our ability to compete successfully will depend upon our ability to develop and maintain advanced technology, develop proprietary products, attract and retain qualified personnel, obtain patent or other proprietary protection for our products and technologies and manufacture, assemble and market products, either alone or through third parties, in a profitable manner.

### **Employees**

At December 31, 2012, we had 18 employees, of whom three were engaged in production and related operations, six were engaged in research and development, and nine were engaged in management, administration, sales and customer support duties. None of our employees are unionized or covered by a collective bargaining agreement. We believe that we generally enjoy good relations with our employees. In addition to our regular employees, we utilize 11

independent consultants (eight are sales representatives, one is engaged for administration purposes and two are engaged in research and development activities).

## ITEM 1A. RISK FACTORS

**Our operating results are subject to significant fluctuation; period-to-period comparisons of our operating results may not necessarily be meaningful and you should not rely on them as indications of our future performance.**

Our results of operations have historically been and are subject to continued substantial annual and quarterly fluctuations. The causes of these fluctuations include, among other things:

- the volume of sales of our products under our collaborative marketing arrangements;
- the cost of development of our products;
- the mix of products we sell;
- the mix of distribution channels we use;
- the timing of our new product releases and those of our competitors;
- fluctuations in the computer and communications hardware and software marketplace; and
- general economic conditions.

We cannot assure that the level of revenues and gross profit, if any, that we achieve in any particular fiscal period will not be significantly lower than in other fiscal periods. Our net revenues for the years ended December 31, 2012 and 2011 were approximately \$3.3 million and \$4.2 million, respectively. Net loss for the year ended December 31, 2012 was approximately \$1.5 million, or \$0.02 per share on a basic and diluted basis, versus a net loss of approximately \$516,000, or \$0.01 per share on a basic and diluted basis for the year ended December 31, 2011. We continue to explore opportunities to grow sales in other business areas. We are also examining additional opportunities for cost reduction, production efficiencies and further diversification of our business.

**If we fail to maintain access to funds sufficient to meet our operating needs, we may be required to significantly reduce, sell, or refocus our operations, and our business, results of operations and financial condition could be materially and adversely effected.**

In order to be a viable entity we need to maintain and increase profitable operations. To continue to achieve profitable operations we need to increase current net revenues and continue to look for ways to control expenses. We might also need to sell additional assets or raise capital as a means of funding continued operations. In recent years, we have sustained significant operating losses. We may have to raise additional capital from external sources. These sources may include private or public financings through the issuance of debt, convertible debt or equity, or collaborative arrangements. Such additional capital and funding may not be available on favorable terms, if at all. Additionally, we may only be able to obtain additional capital or funds through arrangements that require us to relinquish rights to our products, technologies or potential markets, in whole or in part, or result in our sale. As a result of the past few years

of performance, we believe that we have sufficient liquidity to continue our operations at least through December 2013,

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provided our net revenues do not decline and our operating expenses do not increase. Although we are always attempting to reduce or limit our expenses and capital expenditures, we cannot assure you that we will be successful in generating positive cash flows or obtaining access to additional sources of funding in amounts necessary to continue our operations. Failure to maintain sufficient access to funding may also result in our inability to continue operations.

**Shares Eligible For Future Sale May Have An Adverse Effect On Market Price; Andrea Shareholders May Experience Substantial Dilution.**

Sales of a substantial number of shares of our common stock in the public market could have the effect of depressing the prevailing market price of our common stock. Of the 200,000,000 shares of common stock presently authorized, 63,721,035 were outstanding as of March 22, 2013. The number of shares outstanding does not include an aggregate of 27,244,491 shares of common stock that are issuable. This number of issuable common shares is equal to approximately 43% of the 63,721,035 outstanding shares. These issuable common shares are comprised of: a) 17,205,821 shares of our common stock reserved for issuance upon exercise of outstanding awards granted under our 1998 Stock Plan and 2006 Stock Plan; b) 4,386,436 shares reserved for future grants under our 2006 Stock Plan; c) 2,023,658 shares of common stock that are issuable upon conversion of the Series C Preferred Stock; and d) 3,628,576 shares of common stock issuable upon conversion of the Series D Preferred Stock.

**Conversions of our Series C Preferred Stock and Series D Preferred Stock may result in substantial dilution to other holders of our common stock.**

As of March 22, 2013, we had 44,231,432 shares of Series C Preferred Stock and 907,144 shares of Series D Preferred Stock outstanding. The issuance of shares of common stock upon conversion of the Series C Preferred Stock is limited to that amount which, after giving effect to the conversion, would cause the holder not to beneficially own in excess of 4.99% or, together with other shares beneficially owned during the 60 day period prior to such conversion, not to beneficially own in excess of 9.99% of the outstanding shares of common stock. The issuance of common stock upon conversion of the Series D Preferred Stock also is limited to that amount which, after giving effect to the conversion, would cause the holder not to beneficially own in excess of 4.99% of the outstanding shares of our common stock, except that each holder has a right to terminate such limitation upon 61 days notice to us. Beneficial ownership for purposes of calculation of such percentage limitations does not include shares whose acquisition is subject to similar limitations. If all shares of the Series C and Series D Preferred Stock, which are outstanding to be issued, are assumed to be converted into or exercised for shares of common stock, the number of new shares of common stock required to be issued as a result would aggregate 5,652,234 shares, which is equal to approximately 9% of the 63,721,035

outstanding shares.

**Short sales of our common stock may be attracted by or accompany conversions of Series C Preferred Stock and Series D Preferred Stock, which sales may cause downward pressure upon the price of our common stock.**

Short sales of our common stock may be attracted by or accompany the sale of converted common stock, which in the aggregate could cause downward pressure upon the price of the common stock, regardless of our operating results, thereby attracting additional short sales of the common stock.

**If we fail to commercialize and fully market our Andrea DSP Microphone and Audio Software products, or continue to develop, and not fully market, Andrea Anti-Noise products, our net revenues may not increase at a high enough rate to improve our results of operations or may not increase at all.**

Our business, results of operations and financial condition depend on the successful commercialization of our Andrea DSP Microphone and Audio Software products and technologies and continued development of our Andrea Anti-Noise products. We introduced our first Andrea DSP Microphone products in 1998 and we continued to introduce complementary products and technologies over the last several years. For both product lines, we primarily target the desktop computer market, the audio and video conferencing markets and the market for in-vehicle computing, among others. The success of these products is subject to the risks frequently encountered by companies in an early stage of product commercialization, particularly companies in the computing and communications industries.

**If we are unable to obtain market acceptance of Andrea DSP Microphone and Audio Software products and technologies, or if market acceptance of these products and technologies occurs at a slow rate, then our business, results of operations and financial condition will be materially and adversely affected.**

We, and our competitors, are focused on developing and commercializing products and technologies that enhance the use of voice, particularly in noisy environments, for a broad range of computer and communications applications. These products and technologies have been rapidly evolving and the number of our competitors has grown, but the markets for these products and technologies are subject to a high level of uncertainty and have been developing slowly. We, alone or together with our industry, may be unsuccessful in obtaining market acceptance of these products and technologies.



**If we fail to develop and successfully introduce new products and technologies in response to competition and evolving technology, we may not be able to attract new customers or retain current customers.**

The markets in which we sell our Andrea DSP Microphone and Audio Software and Andrea Anti-Noise products are highly competitive. We may not compete successfully with any of our competitors. Most of our current and potential competitors have significantly greater financial, technology, research and development, marketing, technical support and other resources than we do. Consequently, these competitors may be able to respond more quickly to new or emerging technologies and changes in customer requirements, or devote greater resources to the development, marketing, and sale of their products than we can. One or more of these competitors may independently develop technologies that are substantially equivalent or superior to our technology. The introduction of products incorporating new technologies could render our products obsolete and unmarketable and could exert price pressures on existing products.

We are currently engaged in the development of digital signal processing products and technologies for the voice, speech and natural language interface markets. We may not succeed in developing these new digital signal processing products and technologies, and any of these new digital signal processing products or technologies may not gain market acceptance.

Further, the markets for our products and technologies are characterized by evolving industry and government standards and specifications that may require us to devote substantial time and expense to adapt our products and technologies. For example, certain of our Andrea DSP Microphone and Audio Software and Andrea Anti-Noise products are subject to the Federal Communications Commission requirements. We may not successfully anticipate and adapt our products and technologies in a cost effective and timely manner to changes in technology and industry standards or to introductions of new products and technologies by others that render our then existing products and technologies obsolete.

**If our marketing collaborators do not effectively market their products that include or incorporate our products, our sales growth will be adversely affected.**

We have entered into collaborative and distribution arrangements with software publishers and computer hardware manufacturers relating to the marketing and sale of Andrea DSP Microphone and Audio Software products through inclusion or incorporation with the products of our collaborators. Our success is dependent to a substantial degree on the efforts of these collaborators to market their products that include or incorporate our products. Our collaborators may not successfully market these products. In addition, our collaborators generally are not contractually obligated to any minimum level of sales of our products or technologies, and we have no control over their marketing efforts. Furthermore, our collaborators may develop their own microphone, earphone or headset products that may replace our products or technologies or to which they may give higher priority.

**Shortages of, or interruptions in, the supply of more specialized components for our products could have a material adverse effect on our sales of these products.**

The majority of our assembly operations are fulfilled by subcontractors (primarily in the Far East) using purchased components. Some specialized components for the Andrea DSP Microphone and Audio Software products and Andrea Anti-Noise products, such as microphones and digital signal processing boards, are available from a limited number of suppliers (and in some cases foreign) and subject to long lead times. We may not be able to continue to obtain sufficient supplies of these more specialized components, particularly if the sales of our products increase substantially or market demand for these components otherwise increases. If our subcontractors fail to meet our production and shipment schedules, our business, results of operations and financial condition would be materially and adversely affected.

**The Company depends on component and product manufacturing and logistical services provided by third parties, many of whom are located outside of the United States.**

Substantially all of the Company's components and products are manufactured in whole or in part by a few third-party manufacturers. Many of these manufacturers are located outside of the United States. The Company has also outsourced much of its transportation and logistics management. While these arrangements may lower operating costs, they also reduce the Company's direct control over production and distribution. It is uncertain what effect such diminished control will have on the quality or quantity of products or the Company's flexibility to respond to changing conditions. If manufacturing or logistics in these locations is disrupted for any reason, including but not limited to, natural disasters, information technology system failures, military actions or economic, business, labor, environmental, public health, or political issues, the Company's consolidated financial condition and operating results could be materially adversely affected.

**Our ability to compete may be limited by our failure to adequately protect our intellectual property or by patents granted to third parties.**

We rely on a combination of patents, patent applications, trade secrets, copyrights, trademarks, and nondisclosure agreements with our employees, independent contractors, licensees and potential licensees, limited access to and dissemination of our proprietary information, and other measures to protect our intellectual property and proprietary rights. However, the steps that we have taken to protect our intellectual property may not prevent its misappropriation or circumvention. In addition, numerous patents have been

granted to other parties in the fields of noise cancellation, noise reduction, computer voice recognition, digital signal processing and related subject matter. We expect that products in these fields will increasingly be subject to claims under these patents as the numbers of products and competitors in these fields grow and the functionality of products overlap. Claims of this type could have an adverse effect on our ability to manufacture and market our products or to develop new products and technologies, because the parties holding these patents may refuse to grant licenses or only grant licenses with onerous royalty requirements. Moreover, the laws of other countries do not protect our proprietary rights to our technologies to the same extent as the laws of the United States.

**An unfavorable ruling in any current litigation proceeding or future proceeding may adversely affect our business, results of operations and financial condition.**

From time to time we are subject to litigation incidental to our business. For example, we are subject to the risk of adverse claims, interference proceedings before the U.S. Patent and Trademark Office, oppositions to patent applications outside the United States, and litigation alleging infringement of the proprietary rights of others. Litigation to establish the validity of patents, to assert infringement claims against others, and to defend against patent infringement claims can be expensive and time-consuming, even if the outcome is in our favor.

**Changes in economic and political conditions outside the United States could adversely affect our business, results of operations and financial condition.**

We generate revenues from regions outside the United States. For the years ended December 31, 2012 and 2011, net revenues from sales to customers outside the United States accounted for approximately 17% and 16%, respectively, of our net revenues. International sales and operations are subject to a number of risks, including:

- trade restrictions in the form of license requirements;
- restrictions on exports and imports and other government controls;
- changes in tariffs and taxes;
- difficulties in staffing and managing international operations;
- problems in establishing and managing distributor relationships;
- general economic conditions; and
- political and economic instability or conflict.

To date, we have invoiced our international revenues in U.S. dollars, and have not engaged in any foreign exchange or hedging transactions. We may not be able to continue to invoice all of our revenues in U.S. dollars in order to avoid engaging in foreign exchange or hedging transactions. If we are required to invoice any material amount of international revenues in non-U.S. currencies, fluctuations in the value of non-U.S. currencies relative to the U.S. dollar may adversely affect our business, results of operations and financial condition or require us to incur hedging costs to counter such fluctuations.

**If we are unable to attract and retain the necessary managerial, technical and other personnel necessary for our business, then our business, results of operations and financial condition will be harmed.**

Our performance is substantially dependent on the performance of our executive officers and key employees. The loss of the services of any of these executive officers or key employees could have a material adverse effect on our business, results of operations and financial condition. Our future success depends on our continuing ability to attract and retain highly qualified managers and technical personnel. Competition for qualified personnel is intense and we may not be able to attract, assimilate or retain qualified personnel in the future.

**We have significantly less financial resources than most of our competitors which limits our ability to implement new products or enhancements to our current products and may require us to implement future restructuring plans, which could adversely affect our future sales and financial condition.**

Financial resource constraints could limit our ability to execute our product strategy or require us to implement restructuring plans, particularly if we are unable to generate cash from operations or obtain additional sources of financing. Any future restructuring actions may slow our development of new or enhanced products by limiting our research and development and engineering activities. Our cash balances are also lower than those of our competitors, which may limit our ability to develop competitive new products on a timely basis. If we are unable to successfully introduce new or enhanced products, our sales and financial condition will be adversely affected.

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**A significant amount of our business involves licensing our intellectual property, a strategy that increases business risk and volatility.**

We have licensed certain of our intellectual properties to third parties and may seek to enter into additional license arrangements in the future. We cannot assure you, however, that others will be interested in licensing our intellectual property on commercially favorable terms or at all. We also cannot ensure that licensees will honor agreed-upon market restrictions, not infringe upon or misappropriate our intellectual property or maintain the confidentiality of our proprietary information.

## **ITEM 1B. UNRESOLVED STAFF COMMENTS**

None.

## **ITEM 2. PROPERTIES**

Andrea has a lease for its corporate headquarters, which is located in Bohemia, New York. The lease, which currently expires in April 2015, is for approximately 11,000 square feet of leased space, which houses our production operations, research and development activities, sales, administration and executive offices. We believe that we maintain our machinery, equipment and tooling in good operating condition and that these assets are adequate for our current business and are adequately insured. See Notes 5 and 10 to the accompanying Consolidated Financial Statements for further information concerning our property and equipment and leased facilities.

## **ITEM 3. LEGAL PROCEEDINGS**

In December 2010, Audrey Edwards, Executrix of the Estate of Leon Leroy Edwards, filed a law suit in the Superior Court of Providence County, Rhode Island, against 3M Company and over 90 other defendants, including the Company, alleging that the Company processed, manufactured, designed, tested, packaged, distributed, marketed or sold asbestos containing products that contributed to the death of Leon Leroy Edwards. The Company received service of process in April 2011. The Company has retained legal counsel and has filed a response to the complaint. We cannot predict the outcome of this litigation although the Company believes the lawsuit is without merit.

## **ITEM 4. MINE SAFETY DISCLOSURES**

Not applicable.

## **PART II**

## **ITEM 5. MARKET FOR REGISTRANT'S COMMON EQUITY, RELATED STOCKHOLDER MATTERS AND ISSUER PURCHASES OF EQUITY SECURITIES**

The table below sets forth the high and low sales prices for Andrea's Common Stock as reported by the Over the Counter Bulletin Board for the eight fiscal quarters ended December 31, 2012. Andrea's common stock is currently quoted on the OTCQB tier of the OTC Market Group's quotation platform. On March 22, 2013, there were approximately 385 holders of record of Andrea's Common Stock.

Quarter Ended	High	Low
March 31, 2011	\$0.08	\$0.06
June 30, 2011	\$0.08	\$0.05
September 30, 2011	\$0.08	\$0.02
December 31, 2011	\$0.08	\$0.04
March 31, 2012	\$0.07	\$0.04
June 30, 2012	\$0.06	\$0.03
September 30, 2012	\$0.06	\$0.03
December 31, 2012	\$0.05	\$0.02

No cash dividends were paid on Andrea's Common Stock in 2012 or 2011.

During the three months ended December 31, 2012, the Company did not repurchase any of its common stock.

#### **ITEM 6. SELECTED FINANCIAL DATA**

Not applicable as Andrea is a smaller reporting company.

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#### **ITEM 7. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS**

##### **Overview**

Our mission is to provide the emerging “voice interface” markets with state-of-the-art communications products that facilitate natural language, human/machine interfaces.

Examples of the applications and interfaces for which Andrea DSP Microphone and Audio Software Products and Andrea Anti-Noise Products provide benefits include: Internet and other computer-based speech; telephony communications; multi-point conferencing; speech recognition; multimedia; multi-player Internet and CD ROM interactive games; and other applications and interfaces that incorporate natural language processing. We believe that end users of these applications and interfaces will require high quality microphone and earphone products that enhance voice transmission, particularly in noisy environments, for use with personal computers, mobile personal computing devices, cellular and other wireless communication devices and automotive communication systems. Our Andrea DSP Microphone and Audio Software Products use “far-field” digital signal processing technology to provide high quality transmission of voice where the user is at a distance from the microphone. High quality audio communication technologies will be required for emerging far-field voice applications, ranging from continuous speech dictation, to Internet telephony and multiparty video teleconferencing and collaboration, to natural language-driven interfaces for automobiles, home and office automation and other machines and devices into which voice-controlled microprocessors are expected to be introduced during the next several years.

### **Our Critical Accounting Policies**

Our consolidated financial statements and the notes to our consolidated financial statements contain information that is pertinent to management's discussion and analysis. 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, disclosures of contingent assets and liabilities and determination of revenues and expenses in the reporting period. Management bases its estimates on historical experience and on various other assumptions that are believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. On a continual basis, management reviews its estimates utilizing currently available information, changes in facts and circumstances, historical experience and reasonable assumptions. After such reviews, and if deemed appropriate, those estimates are adjusted accordingly. Actual results may vary from these estimates and assumptions under different and/or future circumstances. Management considers an accounting estimate to be critical if: 1) it requires assumptions to be made that were uncertain at the time the estimate was made; and 2) changes in the estimate, or the use of different estimating methods that could have been selected and could have a material impact on the Company's consolidated results of operations or financial condition.

The following critical accounting policies that affect the more significant judgments and estimates used in the preparation of the consolidated financial statements have been identified. In addition to the recording and presentation of our convertible preferred stock, we believe that the following are some of the more critical judgment areas in the application of our accounting policies that affect our consolidated financial condition and results of operations. We have discussed the application of these critical accounting policies with our Audit Committee. The following critical accounting policies are not intended to be a comprehensive list of all of the Company's accounting policies or estimates.

Revenue Recognition – Non software-related revenue, which is generally comprised of microphones and microphone connectivity product revenues, is recognized when title and risk of loss pass to the customer, which is generally upon shipment. With respect to licensing revenues, Andrea recognizes revenue in accordance with Financial Accounting Standards Board Accounting Standards Codification” (the “ASC”) 985, “Software” and ASC 605 “Revenue Recognition.” License revenue is recognized based on the terms and conditions of individual contracts. In addition, fee based services, which are short-term in nature, are generally performed on a time-and-material basis under separate service arrangements and the corresponding revenue is generally recognized as the services are performed.

Accounts Receivable – We are required to estimate the collectibility of our trade receivables. Judgment is required in assessing the realization of these receivables, including the current creditworthiness of each customer and related aging of the past due balances. We evaluate specific accounts when we become aware of a situation where a customer may not be able to meet its financial obligations due to deterioration of its financial viability, credit ratings or bankruptcy. The reserve requirements are based on the best facts available to us and are reevaluated and adjusted as additional information is received. Our reserves are also determined by using percentages applied to certain aged receivable categories. At December 31, 2012 and 2011, our allowance for doubtful accounts were \$18,980 and \$18,580, respectively.

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Inventory – We are required to state our inventories at the lower of cost or market. In assessing the ultimate realization of inventories, we are required to make considerable judgments as to future demand requirements and compare that with our current inventory levels. Our reserve requirements generally increase as our projected demand requirements decrease due to market conditions, technological and product life cycle changes as well as longer than previously expected usage periods. We have evaluated the current levels of inventories, considering historical net revenues and other factors and, based on this evaluation, recorded adjustments to cost of revenues to adjust inventories to net realizable value. Inventories of \$633,069 and \$702,177 at December 31, 2012 and 2011, respectively, are net of reserves of \$654,950 and \$655,597, respectively. It is possible that additional charges to inventory may occur in the future if there are further declines in market conditions, or if additional restructuring actions are taken.

Long Lived Assets – ASC 360 “Property, Plant and Equipment” (“ASC 360”) requires management judgments regarding the future operating and disposition plans for marginally performing assets, and estimates of expected realizable values for assets to be sold. Andrea accounts for its long-lived assets in accordance with ASC 360 for purposes of determining and measuring impairment of its other intangible assets. Andrea’s policy is to periodically review the value assigned to its long lived assets to determine if they have been permanently impaired by adverse conditions which may affect Andrea. If required, an impairment charge would be recorded based on an estimate of future discounted cash flows. In order to test for recoverability, Andrea compared the sum of undiscounted cash flow projections (gross margin dollars from product sales) of the Andrea DSP Microphone and Audio Software core technology to the carrying value of that technology. Considerable management judgment is necessary to estimate undiscounted future operating cash flows and fair values and, accordingly, actual results could vary significantly from such estimates. No impairment charges were recognized during the years ended December 31, 2012 and 2011.



Deferred Tax Assets – We currently have significant deferred tax assets. ASC 740, “Income Taxes” (“ASC 740”), requires a valuation allowance be established when it is more likely than not that all or a portion of deferred tax assets will not be realized. Furthermore, ASC 740 provides that it is difficult to conclude that a valuation allowance is not needed when there is negative evidence such as cumulative losses in recent years. Therefore, cumulative losses weigh heavily in the overall assessment. Accordingly, and after considering changes in previously existing positive and negative evidence the Company determined that a full valuation allowance against the deferred tax asset was required. As a result during the year ended December 31, 2012, the Company recorded a provision for income tax of \$154,637. Andrea will reduce its valuation allowance in future periods to the extent that we can demonstrate our ability to utilize the assets. The future realization of a portion of our reserved deferred tax assets related to tax benefits associated with the exercise of stock options, if and when realized, will not result in a tax benefit in the consolidated statement of operations, but rather will result in an increase in additional paid in capital. We will continue to re-assess our reserves on deferred income tax assets in future periods on a quarterly basis.

Contingencies - We are subject to proceedings, lawsuits and other claims, including proceedings under laws and government regulations related to securities, environmental, labor, product and other matters. We are required to assess the likelihood of any adverse judgments or outcomes to these matters, as well as potential ranges of probable losses. A determination of the amount of reserves required, if any, for these contingencies is based on an analysis of each individual issue with the assistance of legal counsel. The amount of any reserves may change in the future due to new developments in each matter.

The impact of changes in the estimates and judgments pertaining to revenue recognition, receivables and inventories is directly reflected in our segments’ loss from operations. Although any charges related to our deferred tax provision are not reflected in our segment results, the long-term forecasts supporting the realization of those assets and changes in them are significantly affected by the actual and expected results of each segment.

### **Cautionary Statement Regarding Forward-Looking Statements**

Certain information contained in this Management’s Discussion and Analysis of Financial Condition and Results of Operations for the year ended December 31, 2012 and other items set forth in this Annual Report on Form 10-K are forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. The words “anticipates,” “believes,” “estimates,” “expects,” “intends,” “plans,” “seeks,” variations of such words, and similar expressions are intended to identify forward-looking statements. We have based these forward-looking statements on our current expectations, estimates and projections about our business and industry, our beliefs and certain assumptions made by our management. Investors are cautioned that matters subject to forward-looking statements involve risks and uncertainties including economic, competitive, governmental, technological and other factors that may affect our business and prospects. These statements are not guarantees of future performance and are subject to certain risks, uncertainties and assumptions that are difficult to predict. These statements are based on current expectations and speak as of the date of such statements. We undertake no obligation to publicly update or revise any forward-looking statement, whether as a result of future events, new information or otherwise. In order to obtain the benefits of these “safe harbor” provisions for any such forward-looking statements, we wish to caution investors and prospective investors about the following significant factors, which,

among others, have in some cases affected our actual results and are in the future likely to affect our actual results and could cause them to differ materially from those expressed in any such forward-looking statements. These factors include the risks noted in Item 1A.

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## Results Of Operations

### *Year Ended December 31, 2012 Compared to Year Ended December 31, 2011*

#### Net Revenues

	For the Year Ended December 31		%
	2012	2011	Change
Andrea Anti-Noise Products net Product revenues			
Sales of products to OEM customers for use with educational software	\$433,179	\$546,816	(21 ) (a)
All other Andrea Anti-Noise net product revenues	1,678,180	1,676,824	—
Total Andrea Anti-Noise Products net Product revenues	2,111,359	2,223,640	(5 )
Andrea DSP Microphone and Audio Software Products revenues			
Sales of automotive array microphone products	313,584	345,637	(9 ) (b)
All other Andrea DSP Microphone and Audio product revenues	258,252	263,063	(2 ) (c)
License revenues	641,721	1,332,312	(52 ) (d)
Total Andrea DSP Microphone and Audio Software Products revenues	1,213,557	1,941,012	(37 )
Net Revenues	\$3,324,916	\$4,164,652	(20 )

(a) The decrease in revenue of approximately \$114,000 for the year ended December 31, 2012, represents decreased demand from our educational customers for use with their distance learning software products as compared to the same period in 2011.

(b) The decrease of approximately \$32,000 for the year ended December 31, 2012 as compared to the same period in 2011 in revenues of automotive array microphone products is primarily the result of decreased product revenues from integrators of public safety vehicle solutions.

(c) The decrease of approximately \$5,000 for 2012 as compared to 2011 in all other Andrea DSP Microphone and Audio Software product revenues is related to decreased product revenues to an OEM customer for a customize digital product.

(d) The significant decrease of approximately \$691,000 in licensing revenues for the year ended December 31, 2012 is related to a decrease in sales of PC models which feature our technology.

### Cost of Revenues

Cost of revenues as a percentage of net revenues for the year ended December 31, 2012 increased to 47% from 38% for the year ended December 31, 2011. The cost of revenues as a percentage of net revenues for the year ended December 31, 2012 for Andrea Anti-Noise Products was 59% as compared to 57% for the year ended December 31, 2011. The cost of revenues as a percentage of net revenues for the year ended December 31, 2012 for Andrea DSP Microphone and Audio Software Products was 26% compared to 15% for the year ended December 31, 2011. These small changes are primarily the result of the changes in revenue as described under “Net Revenues” above. The increases in cost of sales as a percentage of sales for Andrea DSP Microphone and Audio Software products segment for the year ended December 31, 2012 relates to decreased licensing.

### Research and Development

Research and development expenses for the year ended December 31, 2012 decreased by 2% to \$749,879 from \$762,878 for the year ended December 31, 2011. These expenses primarily relate to costs associated with the development of new products. For the year ended December 31, 2012, research and development expenses reflected a 4% decrease in our Andrea DSP Microphone and Audio Software Technology efforts to \$419,384, or 56% of total research and development expenses and a 1% increase in our Andrea Anti-Noise Product efforts to \$330,495, or 44% of total research and development expenses. With respect to DSP Microphone and Audio Software technologies, research efforts are primarily focused on the pursuit of commercializing a natural language-driven human/machine interface by developing optimal far-field microphone solutions for various voice-driven interfaces, incorporating Andrea’s digital super directional array microphone technology, and certain other related technologies such as noise suppression and stereo acoustic echo cancellation. We believe that continued research and development spending should continue to benefit Andrea in the future.

### General, Administrative and Selling Expenses

General, administrative and selling expenses increased by approximately 1% to \$2,355,748 for the year ended December 31, 2012 from \$2,342,140 for the year ended December 31, 2011. There was no increase in general, administrative and selling expenses in our Andrea DSP Microphone and Audio Software Technology for the year ended December 31, 2012 of \$1,066,252, or 45% of total

general, administrative and selling expenses and a 1% increase in our Andrea Anti-Noise Product efforts to \$1,289,496, or 55% of total general, administrative and selling expenses.

#### Interest Income, net

Interest income, net for the year ended December 31, 2012 was \$8,369 compared to interest income, net of \$7,904 for the year ended December 31, 2011.

#### Provision for Income Taxes

The income tax provision for the year ended December 31, 2012 was \$154,637, compared to \$19,251 for the year ended December 31, 2011. The income tax provision is the result of estimated taxable income. After considering changes in previously existing positive and negative evidence, the Company determined that a full valuation allowance against the deferred tax asset was required. As a result during 2012, the Company recorded full valuation against the deferred tax asset which resulted in a charge of \$154,621, which is included in the provision for income tax.

#### Net loss

Net loss for the year ended December 31, 2012 was \$1,492,520 compared to a net loss \$515,869 for the year ended December 31, 2011. The net loss for the year ended December 31, 2012 principally reflects the factors described above.

#### Off-Balance Sheet Arrangements

The Company has no off-balance sheet arrangements that have or are reasonably likely to have a current or future material effect on its consolidated financial condition, changes in consolidated financial condition, revenues or expenses, results of operations, liquidity, capital expenditures or capital resources that are material to investors.

#### **Liquidity And Capital Resources**

Our principal sources of funds have been cash flows from operations. At December 31, 2012, we had cash of \$1,746,363 compared to \$2,193,377 at December 31, 2011.

Our working capital balance at December 31, 2012 was \$2,262,623 compared to working capital of \$3,080,486 at December 31, 2011. The decrease in working capital reflects a decrease in total current assets of \$891,570 and a decrease in total current liabilities of \$73,707. The decrease in total current assets reflects a decrease in cash of \$447,014, a decrease in accounts receivable of \$333,738, a decrease in inventory of \$69,108, a decrease in deferred income tax assets of \$22,801, and a decrease in prepaid expenses and other current assets of \$18,909. The decrease in total current liabilities reflects a decrease in trade accounts payable of \$69,399, and a decrease of \$4,308 in other current liabilities.

The decrease in cash of \$447,014 reflects \$357,741 of net cash used in operating activities and \$89,273 of net cash used by investing activities.

The cash used in operating activities of \$357,741, excluding non-cash charges, is primarily attributable to the \$1,492,520 net loss for the year ended December 31, 2012, a \$333,338 decrease in accounts receivable, a \$69,108 decrease in inventory, an \$18,909 decrease in prepaid expenses and other current assets, a \$69,399 decrease in trade accounts payable, and a decrease of \$4,308 in other current liabilities. The changes in receivables, inventory and accounts payable primarily reflect differences in the timing related to both the payments for and the acquisition of inventory as well as for other services in connection with ongoing efforts related to Andrea's various product lines.

The cash used by investing activities of \$89,273 reflects purchases of property and equipment of \$51,023 and an increase in patents and trademarks of \$38,250. The significant increase in property and equipment reflects capital expenditures associated with molds associated with the production and, to a lesser extent of our information technology purchases. The increase in patents and trademarks reflects capital expenditures associated with our intellectual property.

We plan to improve our cash flows in 2012 by aggressively pursuing additional licensing opportunities related to our Andrea DSP Audio Software and increasing the sales of our Andrea Anti-Noise Products through the introduction of new products as well as the increased efforts we are putting into our sales and marketing efforts. However, there can be no assurance that we will be able to successfully execute the aforementioned plans. As of March 22, 2013, Andrea had approximately \$1,500,000 of cash deposits. To the extent that we do not generate sufficient cash flows from our operations in the next twelve months, additional financing might be required. Our cash balances are down as compared to 2011. If our revenues decline, these reductions may impede our ability to be cash flow positive and our net income or loss may be disproportionately affected. We have no commitment for additional financing and may experience difficulty in obtaining additional financing on favorable terms, if at all. Any financing we obtain may contain covenants that restrict our freedom to operate our business or may have rights, preferences or privileges senior to our common stock and may dilute our current shareholders' ownership interest in Andrea. We cannot assure that demand will continue for any of our products, including future products related to our Andrea DSP Microphone and Audio Software technologies, or, that if such demand

does exist, that we will be able to obtain the necessary working capital to increase production and provide marketing resources to meet such demand on favorable terms, or at all.

### Market Risk

Historically, our principal source of financing activities had been the issuance of convertible preferred stock with financial institutions. We are affected by market risk exposure primarily through any amounts payable in stock, or cash by us under convertible securities. We do not utilize derivative financial instruments to hedge against changes in interest rates or for any other purpose. In addition, substantially all transactions entered into by us are denominated in U.S. dollars. As such, we have shifted foreign currency exposure onto our foreign customers. As a result, if exchange rates move against foreign customers, we could experience difficulty collecting unsecured accounts receivable, the cancellation of existing orders or the loss of future orders. The foregoing could materially adversely affect our business, financial condition and results of operations.

### **ITEM 7A. QUANTITATIVE AND QUALITATIVE DISCLOSURE ABOUT MARKET RISK**

Not applicable.

### **ITEM 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA**

The consolidated financial statements are included in this Report beginning on page F-1.

### **ITEM 9. CHANGES IN AND DISAGREEMENTS WITH ACCOUNTANTS ON ACCOUNTING AND FINANCIAL DISCLOSURE**

None.

## **ITEM 9A. CONTROLS AND PROCEDURES**

### **(a) Disclosure Controls and Procedures**

The Company's management, including the Company's principal executive officer and principal financial officer, have evaluated the effectiveness of the Company's "disclosure controls and procedures," as such term is defined in Rule 13a-15(e) promulgated under the Securities Exchange Act of 1934, as amended, (the "Exchange Act"). Based upon their evaluation, the principal executive officer and principal financial officer concluded that, as of the end of the period covered by this report, the Company's disclosure controls and procedures were effective for the purpose of ensuring that the information required to be disclosed in the reports that the Company files or submits under the Exchange Act with the SEC (1) is recorded, processed, summarized and reported within the time periods specified in the SEC's rules and forms, and (2) is accumulated and communicated to the Company's management, including its principal executive and principal financial officers, as appropriate to allow timely decisions regarding required disclosure.

### **(b) Internal Controls Over Financial Reporting**

Management's annual report on internal control over financial reporting is included herein by reference to the section titled "Management's Annual Report on Internal Control Over Financial Reporting" immediately preceding the Company's audited Consolidated Financial Statements in this Report.

### **(c) Changes to Internal Control Over Financial Reporting**

There were no changes in the Company's internal control over financial reporting during the three months ended December 31, 2012 that have materially affected, or are reasonably likely to materially affect, the Company's internal control over financial reporting.

## **ITEM 9B. OTHER INFORMATION**

None.

## **PART III**

## **ITEM 10. DIRECTORS, EXECUTIVE OFFICERS AND CORPORATE GOVERNANCE**

Information on the Directors of the Company is provided below. All Directors serve one-year terms and ages are as of December 31, 2012. Based on their respective experiences, qualifications, attributes and skills set forth below, the board of directors determined that each current director should serve as a director.

**Douglas J. Andrea**, age 50, has been Chairman of the Board of Directors since November 2001, a Director of the Company since 1991, Corporate Secretary since 2003 and Chief Executive Officer since January 2005. He was Co-Chairman and Co-Chief Executive Officer of the Company from November 1998 until August 2001. He served as Co-President of the Company from

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November 1992 to November 1998, as Vice President - Engineering of the Company from December 1991 to November 1992, and as Secretary of the Company from 1989 to January 1993.

Mr. Andrea's extensive experience in the software and communications industry affords the Board valuable insight regarding the business and operation of the Company. In addition, Mr. Andrea's extensive background in corporate management provides him a unique and broad-based decision-making capability for the Company. Mr. Andrea has held various positions within the Company, which has given him knowledge of all aspects of the Company's business and history, which position him well to continue to serve as a member of the Board.

**Gary A. Jones**, age 67, has been a Director of the Company since April 1996. He has served as President of Digital Technologies, Inc., since 1994 and was Chief Engineer at Allied Signal Ocean Systems from 1987 to 1994. From March 1998 to December 2000, Mr. Jones was the Managing Director of Andrea Digital Technologies, Inc, a wholly-owned subsidiary of Andrea Electronics Corporation.

Mr. Jones's extensive experience in the software and communications industry affords the Board valuable insight regarding the business and operation of the Company. In addition, Mr. Jones was the Managing Director of a wholly-owned subsidiary of Andrea Electronics, which has given him knowledge of all aspects of the Company's business and history, which position him well to continue to serve as a member of the Board.

**Louis Libin**, age 54, has been a Director of the Company since February 2002. He is President of Broad Comm, Inc., a consulting group specializing in advanced television broadcast, interactive TV, Internet Protocol and wireless communications. Prior to his tenure at Broad Comm, Mr. Libin was Chief Technology Officer for NBC, and was responsible for all business and technical matters for satellite, wireless and communication issues for General Electric and NBC. Since 1989, Mr. Libin has represented the United States on satellite and transmission issues at the International Telecommunications Union in Geneva, Switzerland. Mr. Libin is a Senior Member of the Institute of Electrical and Electronic Engineers, and is a member of the National Society of Professional Engineers. Mr. Libin also serves on the boards of directors of several private and not-for profit companies.

Mr. Libin's extensive experience in the communications industry affords the Board valuable insight regarding the



business and operation of the Company. Mr. Libin's technical background, as well as his experiences from his other board memberships makes him a valuable asset to continue to serve as a member of the Board.

**Joseph J. Migliozi**, age 62, has been a Director of the Company since September 2003. He is the Executive Vice President of Ionian Management Inc., a Petroleum Shipping, Trading and Distribution company. Prior to that he was the Engagement Partner at Tatum LLC, an Interim CFO practice. He has operated his own management consulting firm since 2001. From 1997 to 2001, Mr. Migliozi was the Chief Operating and Financial Officer of Voyetra Turtle Beach. Prior to that, he served in various executive management positions in the electronics manufacturing industries, with both financial and operational responsibilities. Mr. Migliozi is a Certified Public Accountant.

Mr. Migliozi's accounting, finance and corporate management experience affords the Board valuable insight regarding the business, finances and operation of the Company. Mr. Migliozi's extensive background provides him the distinctive skill set required to continue to serve as a member of the Board.

**Jonathan D. Spaet**, age 56, has been a Director of the Company since 2003. He currently is a Senior Director and heads the Advanced Advertising Group for Viamedia, a Cable Television Advertising Representation company that represents many cable providers including Verizon FiOS and RCN. Previously, he was Executive Vice President of Vault.com, an internet site in the career and recruitment space. Before Vault, he was Vice-President/General Manager of Advertising Sales for Time Warner Cable in New York City, where he had been since 2008. Prior to that appointment, he was at Time Warner Cable National Advertising Sales since September 2004, overseeing advertising sales for Time Warner Cable markets around the country. Previously, he was Vice-President of Sales for Westwood One Radio Networks, managing ad sales for one of the largest radio groups in the country. From 2002 to 2003, he was the Chief Operating Officer of MEP Media, a company that started a digital cable channel devoted to the music enthusiast. Prior to MEP, he was President of Ad Sales for USA Networks, supervising ad sales, marketing, research and operations for both USA and Sci-fi, two top-tier cable channels. Previously, he was President of Ad Sales for About.com. This followed 15 years at NBC, where Mr. Spaet's career included a six-year position in NBC Cable and nine years in the NBC Television Stations Group. Mr. Spaet holds a Bachelor and Masters of Business Administration degrees from New York University and is a member of the National Sales Advisory Board of the Cable Advertising Bureau, and is a member of the Internet Advertising Bureau.

Mr. Spaet's extensive experience in media sales, marketing, promotion and finance brings the Board valuable insight regarding the business and operation of the Company. Mr. Spaet's background in producing, packaging, positioning and experience in the communication industry make him a valuable asset to continue to serve as a member of the Board.

### Information about Executive Officers Who Are Not Directors

The following information is provided for the Company's executive officer who is not also a director:

**Corisa L. Guiffre**, age 40, has been the Company's Vice President and Chief Financial Officer since June 2003 and Assistant Corporate Secretary since October 2003. Ms. Guiffre joined the Company in November 1999 and served as Vice President and Controller until June 2003. Prior to joining the Company, she was a member of the Audit, Tax and Business Advisory divisions at Arthur Andersen LLP. She is a Certified Public Accountant, a member of the American Institute of Certified Public Accountants and a member of the New York State Society of Certified Public Accountants.

Ms. Guiffre is elected annually as the Chief Financial Officer and holds office until her successor has been elected and qualified or until she is removed or replaced.

### SECTION 16(a) BENEFICIAL OWNERSHIP REPORTING COMPLIANCE

Section 16(a) of the Securities Exchange Act of 1934, as amended, requires the Company's directors and officers and persons who beneficially own more than ten percent of the Company's common stock to file with the Securities and Exchange Commission ("SEC") initial reports of ownership and reports of changes in ownership of common stock in the Company. Officers, directors and greater-than-ten percent shareholders are also required to furnish the Company with copies of all Section 16(a) reports they file. Based solely upon a review of Forms 3 and 4 and amendments thereto furnished to the Company under Section 16(a) of the Securities Exchange Act of 1934, as amended, during the year ended December 31, 2012 and Forms 5 and amendments thereto furnished to the Company with respect to the year ended December 31, 2012, and written representations provided to the Company from the individuals required to file reports, the Company believes that each of the individuals required to file reports complied with applicable reporting requirements for transactions in the Company's common stock during the year ended December 31, 2012.

### Code of Business Ethics and Conduct

Andrea has adopted a Code of Business Ethics and Conduct. See "Item 15 – Exhibits" to this Annual Report on Form 10-K.

Audit Committee and Audit Committee Financial Expert.

The Company has a separately designated standing Audit Committee, which currently consists of Messrs. Jones, Libin, Migliozi and Spaet. The Board of Directors has designated Mr. Migliozi as an audit committee financial expert under the rules of the Securities and Exchange Commission.

## ITEM 11. EXECUTIVE COMPENSATION

### Summary Compensation Table

The following table sets forth information for the last two fiscal years relating to compensation earned by each person who served as chief executive officer and the other most highly compensated executive officers whose total compensation was over \$100,000 during the years ended December 31, 2012, and 2011.

Name and Principal Position	Year	Salary	Bonus	Option Awards	Total
Douglas J. Andrea, Chairman of the Board, Chief Executive Officer, and Corporate Secretary	2012	\$K47,125	\$ —	\$ —	\$K47,125
	2011	342,708	—	—	342,708
Corisa L. Guiffre, Vice President, Chief Financial Officer and Assistant Corporate Secretary	2012	\$157,330	\$ —	\$ —	\$157,330
	2011	160,191	—	—	160,191

### Outstanding Equity Awards at December 31, 2012

The following table provides information concerning outstanding unexercised options as of December 31, 2012 for each named executive officer. None of the named executive officers had stock awards that have not vested or

unearned equity incentive plan awards at December 31, 2012.

### Option Awards

Name	Number of securities underlying unexercised options (#) exercisable	Number of securities underlying unexercised options (#) unexercisable	Option exercise price (\$/share)	Option expiration date
Douglas J. Andrea	400,000	—	\$ 0.13	6-14-2014
	250,000	—	\$ 0.10	8-04-2014
	250,000	—	\$ 0.04	8-04-2015
	600,000	—	\$ 0.05	8-10-2015
	1,000,000	—	\$ 0.12	11-02-2016
	1,000,000	—	\$ 0.12	11-16-2016
	1,000,000	—	\$ 0.11	9-12-2017
	2,000,000	—	\$ 0.04	8-8-2018
	1,000,000	—	\$ 0.04	8-8-2018
	1,000,000	—	\$ 0.11	7-24-2019
	666,000	334,000 <sup>(1)</sup>	\$ 0.13	8-01-2020
Corisa L. Guiffre	250,000	—	\$ 0.05	8-10-2015
	400,000	—	\$ 0.12	11-16-2016
	350,000	—	\$ 0.11	9-12-2017
	500,000	—	\$ 0.04	8-8-2018
	200,000	—	\$ 0.11	7-24-2019
	166,500	83,500 <sup>(2)</sup>	\$ 0.08	9-22-2020

(1) The stock options vest 33.3% from and after August 1, 2011, 33.3% from and after August 1, 2012 and 33.4% from and after August 1, 2013.

The stock options vest 33.3% from and after the first anniversary of the Date of Grant, 33.3% from and after the (2) second anniversary of the Date of Grant and 33.4% from and after the third anniversary of the Date of Grant, which was September 22, 2010.

### Employment Agreements

In July 2012, the Company entered into an employment agreement with Mr. Andrea. The effective date of the employment agreement is August 1, 2012 and the agreement expires July 31, 2013 and is subject to renewal as approved by the Compensation Committee of the Board of Directors. Pursuant to his employment agreement, Mr.

Andrea will receive an annual base salary of \$350,000 (which was identical to Mr. Andrea's salary for the period from August 1, 2011 to July 31, 2012) through July 31, 2013. In December 2012, Mr. Andrea, voluntarily, agreed to a \$50,000 decrease in his annual salary for the remainder of the term of his employment agreement. The employment agreement provides for quarterly bonuses equal to 25% of the Company's pre-bonus net after tax quarterly earnings in excess of \$25,000 for a total quarterly bonus amount not to exceed \$12,500; and annual bonuses equal to 10% of the Company's annual pre-bonus net after tax earnings in excess of \$300,000. Adjustments to net after tax earnings shall be made to remove the impact of change in recognition of accumulated deferred tax asset value. All bonuses shall be payable as soon as the Company's cash flow permits. All bonus determinations or any additional bonus in excess of the above will be made in the sole discretion of the Compensation Committee. Mr. Andrea is also entitled to a change in control payment equal to two times his base salary with continuation of health and medical benefits for two years in the event of a change in control. In the event of his termination without cause or resignation with the Company's consent, Mr. Andrea is also entitled to a severance payment equal to six months of his base salary and a continuation for 12 months of health insurance coverage for Mr. Andrea, his spouse and his dependents. At December 31, 2012, the future minimum cash commitments under this agreement aggregated \$175,000.

On November 11, 2008, the Company entered into an amended and restated change in control agreement with Corisa Guiffre, Vice President, Chief Financial Officer and Assistant Corporate Secretary of the Company. The change in control agreement provides Ms. Guiffre with a severance benefit upon termination in connection with a change in control (as defined in the agreement). If Ms. Guiffre is terminated following a change in control, the Company will pay Ms. Guiffre a sum equal to three times Ms. Guiffre's average

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annual compensation for the five preceding taxable years. All restrictions on any restricted stock will lapse immediately and incentive stock options and stock appreciation rights, if any, will become immediately exercisable in the event of a change in control. Upon the occurrence of a change in control followed by Ms. Guiffre's termination of employment, the Company will cause to be continued life, medical, dental and disability coverage. Such coverage and payments shall cease upon the expiration of 36 full calendar months following the date of termination.

#### Director Compensation

The following table provides the compensation received by individuals who served as non-employee directors of the Company during the 2012 fiscal year.

Director	Fees Earned or Paid in Cash	Stock Option Awards	Total
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Gary A Jones	\$ 11,500	\$ —	\$ 11,500
Louis Libin	11,500	—	11,500
Joseph J. Migliozi	14,750	—	14,750
Jonathan D. Spaet	11,250	—	11,250

#### Annual Retainer and Meeting Fees for Non-Employee Directors

The following sets forth the applicable retainers and fees that were paid to non-employee directors for their service on the Board of Directors of the Company during 2012. Employee directors do not receive any retainers or fees for their services on the Boards of Directors.

Annual Retainer	\$7,000
Fee per Board Meeting (Regular or Special)	\$500
Fee per Committee Meeting	\$250
Additional Annual Retainer for the Chairperson of the Audit Committee	\$3,000

## ITEM 12. SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT AND RELATED STOCKHOLDER MATTERS

### Stock Ownership

The following table sets forth certain information as of March 22, 2013, with respect to the common stock ownership of (i) each director of the Company, (ii) each executive officer named in the Summary Compensation Table and (iii) all directors and executive officers of the Company as a group.

Name of Beneficial Owner	Number of Shares Owned (excluding options)	Number of Shares That May be Acquired Within 60 days by Exercising Options	Percent of Common Stock Outstanding <sup>(1)</sup>
Douglas J. Andrea	261,014 (2)	9,166,000	13.0 %
Corisa L. Guiffre	2,750	1,866,500	2.9 %
Gary A. Jones	439,472	233,031	1.1 %
Louis Libin	352,149	188,182	*
Joseph J. Migliozi	636,261	525,077	1.8 %

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Jonathan D. Spaet	29,261	233,031	*	
Current directors and executive officers as a group (6 persons)	1,720,907	12,211,821	18.4	%

\*Less than 1%

(1) Percentages with respect to each person or group of persons have been calculated on the basis of 63,721,035 shares of Company common stock outstanding, plus the number of shares of Company common stock which such person or group of persons has the right to acquire within 60 days from March 22, 2013, by the exercise of options. The information concerning the shareholders is based upon information furnished to the Company by such shareholders. Except as otherwise indicated none of the shares listed are pledged as security and all of the shares next to each identified person or

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group are owned of record and beneficially by such person or each person within such group and such persons have sole voting and investment power with respect thereto.

(2) Includes 12,438 and 3,876 shares owned by Mr. Andrea's spouse and Mr. Andrea's daughter, respectively.

The following table sets forth certain information as of March 22, 2013, with respect to the stock ownership of beneficial owners of more than 5% of the Company's outstanding common stock other than Mr. Andrea whose stock ownership is set forth above:

Name and Address	Shares of Common Stock Owned	Common Stock Equivalents <sup>(1)</sup>	Percent of Common Stock and Common Stock Equivalents Outstanding <sup>(2)</sup>
Alpha Capital Anstalt Pradafant 7, Furstentums 9490 Vaduz, Liechtenstein	—	5,722,159 (3)	8.2%
Nickolas W. Edwards 937 Pine Ave, Long Beach, CA 90813	5,390,000 (4)	—	8.5%

(1) The issuance of shares of common stock upon conversion of the Series C Preferred Stock is limited to that amount

which, after given effect to the conversion, would cause the holder not to beneficially own in excess of 4.99% or, together with other shares beneficially owned during the 60 day period prior to such conversion, not to beneficially own in excess of 9.99% of the outstanding shares of common stock. The issuance of common stock upon conversion of the Series D Preferred Stock also are limited to that amount which, after given effect to the conversion, would cause the holder not to beneficially own an excess of 4.99% of the outstanding shares of our common stock, except that each holder has a right to terminate such limitation upon 61 days notice to us.

(2) Percentages with respect to each person or group of persons have been calculated on the basis of 63,721,035 shares of Company common stock outstanding, plus the number of shares of Company common stock which such person or groups of persons has the right to acquire within 60 days of the conversion of Series C Preferred Stock and Series D Preferred Stock.

(3) Based on information filed with the Securities and Exchange Commission in a Schedule 13G (Amendment No. 1) on February 15, 2007. Common stock ownership of Alpha Capital Anstalt ("Alpha Capital") is not known as of March 22, 2013. As of March 22, 2013, Alpha Capital has 3,585,731 of common stock equivalents from Series C Preferred Stock and Series D Preferred Stock. See footnote (1) above, for limitations on the conversion of such commons stock equivalents.

(4) Based on information filed with the Securities and Exchange Commission in a Schedule 13G (Amendment No. 1) on October 20, 2006 by Nickolas W. Edwards.

The following table sets forth certain information as of December 31, 2012, for all compensation plans, including individual compensation arrangements under which equity securities of the Company are authorized for issuance.

Plan Category	Number of securities to be issued upon exercise of outstanding options, warrants and rights (a)	Weighted-average price of outstanding options, warrants and rights (b)	Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column (a)) (c)
Equity compensation plans approved by security holders	17,270,321	\$ 0.08	4,341,936
Equity compensation plans not approved by security holders	—	—	—
Total	17,270,321	\$ 0.08	4,341,936

### ITEM 13. CERTAIN RELATIONSHIPS AND RELATED TRANSACTIONS, AND DIRECTOR INDEPENDENCE

Each member of the Company's Board of Directors is independent under the listing standards of the Nasdaq Stock Market, except for Mr. Andrea, Chairman of the Board, President and Chief Executive Officer of the Company.



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**ITEM 14. PRINCIPAL ACCOUNTANT FEES AND SERVICES**
**Audit Fees**

The following table sets forth the fees billed or expected to be billed to the Company for the fiscal years ended December 31, 2012 and 2011 by Marcum LLP:

	2012	2011
Audit Fees	\$122,000	\$127,000
Audit-related fees	—	—
Tax fees	—	—
All other fees	—	—

**Pre-Approval of Services by the Independent Auditor**

The Audit Committee has adopted a policy for pre-approval of audit and permitted non-audit services by the Company's independent auditor. The Audit Committee will consider annually and, if appropriate, approve the provision of audit services by its external auditor and consider and, if appropriate, pre-approve the provision of certain defined audit and non-audit services. The Audit Committee also will consider on a case-by-case basis and, if appropriate, approve specific engagements that are not otherwise pre-approved.

Any proposed engagement that does not fit within the definition of a pre-approved service may be presented to the Audit Committee for consideration at its next regular meeting or, if earlier consideration is required, to the Audit Committee or one or more of its members. The member or members to whom such authority is delegated shall report any specific approval of services at its next regular meeting. The Audit Committee will regularly review summary reports detailing all services being provided to the Company by its external auditor.

During the year ended December 31, 2012, all services were approved, in advance, by the Audit Committee in compliance with these procedures.

**ITEM 15. EXHIBITS**

(a)(1) Financial Statements

The following documents are included in this Annual Report on Form 10-K beginning on page F-1.

- Report of Independent Registered Public Accounting Firm
- Consolidated Balance Sheets—at December 31, 2012 and 2011
- Consolidated Statements of Operations—Years Ended December 31, 2012 and 2011
- Consolidated Statements of Shareholders' Equity —Years Ended December 31, 2012 and 2011
- Consolidated Statements of Cash Flows—Years ended December 31, 2012 and 2011
- Notes to Consolidated Financial Statements.

(a)(2) Financial Statement Schedules

All schedules are omitted as required information is either not applicable, or is presented in the consolidated financial statements.

(a)(3) Exhibits

<u>Exhibit Number</u>	<u>Description</u>
3.1	Amended and Restated Certificate of Incorporation of Registrant (incorporated by reference to Exhibit 3.1 of the Registrant's Form 10-K for the year ended December 31, 1992)
3.2	Certificate of Amendment of the Restated Certificate of Incorporation of Registrant (incorporated by reference to Exhibit 3.2 of the Registrant's Form 10-K for the year ended December 31, 1997)
3.3	Certificate of Amendment of the Restated Certificate of Incorporation of Registrant (incorporated by reference to Exhibit 3.1 of the Registrant's Current Report on Form 8-K filed November 30, 1998)
3.4	Certificate of Amendment to the Certificate of Incorporation of the Registrant (incorporated by reference to Exhibit 3.1 of the Registrant's Current Report on Form 8-K filed June 22, 1999)
3.5	Certificate of Amendment to the Certificate of Incorporation of the Registrant (incorporated by reference to Exhibit 3.1 of the Registrant's Current Report on Form 8-K filed October 12, 2000)

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<u>Exhibit Number</u>	<u>Description</u>
3.6	Certificate of Amendment to the Certificate of Incorporation of the Registrant dated August 22, 2001 (incorporated by reference to Exhibit 3.6 of the Registrant's Annual Report on Form 10-K filed April 1, 2002)
3.7	Certificate of Amendment to the Certificate of Incorporation of the Registrant dated February 5, 2003 (incorporated by reference to Exhibit 3.1 of the Registrant's Registration Statement on Form 8-A/A filed February 6, 2003)
3.8	Certificate of Amendment to the Certificate of Incorporation of the Registrant dated February 23, 2004 (incorporated by reference to Exhibit 3.1 of the Registrant's Registration Statement on Form 8-K filed

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- February 26, 2004)
- 3.9 Amended By-Laws of Registrant (incorporated by reference to Exhibit 3.2 of the Registrant's Current Report on Form 8-K filed November 30, 1998)
- 4.1 Rights Agreement dated as of April 23, 1999 between Andrea and Continental Stock Transfer and Trust Company, as Rights Agent, including the form of Certificate of Amendment to Certificate of Incorporation as Exhibit A, the form of Rights Certificate as Exhibit B and the Summary of Rights to Purchase Shares of Series A Preferred Stock (incorporated by reference to Exhibit 4.1 of the Registrant's Current Report on Form 8-K filed May 7, 1999)
- 10.1 \*1998 Stock Plan of the Registrant, as amended (incorporated by reference to Exhibit 4.1 of the Registrant's Registration Statement on Form S-8, No. 333-82375, filed July 7, 1999)
- 10.2 \*Change in Control Agreement, dated as of November 22, 1999, by and between Corisa L. Guiffre and the Registrant (incorporated by reference to Exhibit 10.3 of the Registrant's Form 10-KSB for the year ended December 31, 2006)
- 10.3 Exchange and Termination Agreement, dated as of February 11, 2004, by and among the Company and HFTP Investment L.L.C (incorporated by reference to Exhibit 10.1 of the Registrant's Registration Statement on Form 8-K filed February 17, 2004)
- 10.4 Acknowledgement and Waiver Agreement, dated as of February 11, 2004, by the Company and the investors listed in such agreement (incorporated by reference to Exhibit 10.2 of the Registrant's Registration Statement on Form 8-K filed February 17, 2004)
- 10.5 Securities Purchase Agreement, dated February 20, 2004, by and among the Company and the investors listed in such agreement (incorporated by reference to Exhibit 4.1 of the Registrant's Registration Statement on Form 8-K filed February 26, 2004)
- 10.6 Registration Rights Agreement, dated February 23, 2004, by and among the Company and the investors listed in such agreement (incorporated by reference to Exhibit 4.2 of the Registrant's Registration Statement on Form 8-K filed February 26, 2004)
- 10.7 \*2006 Equity Compensation Plan of the Registrant (incorporated by reference to Appendix A of the Registrant's Schedule 14A filed on October 17, 2006)
- 10.8 \*Change in Control Agreement, dated as of November 11, 2008, by and between Andrea Electronics Corporation and Corisa L. Guiffre (incorporated by reference to Exhibit 10.1 of the Registrant's Form 10-Q filed on November 14, 2008)
- 10.9 \* Amendment to the 2006 Equity Compensation Plan (incorporated by reference to Exhibit 10.12 of the Registrant's Form 10-K filed on March 16, 2010)
- 10.10 \*Employment Agreement, dated as of August 1, 2012 by and between Andrea Electronics Corporation and Douglas J. Andrea (incorporated by reference to Exhibit 10.1 of the Registrant's Form \*-K filed on August 1, 2012)
- 14.0 Code of Business Ethics and Conduct (incorporated by reference to Exhibit 14.0 of the Registrant's Form 10KSB filed April 15, 2005)
- 21.0 Subsidiaries of Registrant
- 23.1 Consent of Independent Registered Public Accounting Firm
- 31.0 Rule 13a-14(a)/15d – 14(a) Certifications
- 32.0 Section 1350 Certifications
- 101.0\*\* The following materials from the Company's Annual Report on Form 10-K for the year ended December 31, 2012, formatted in XBRL:
- (i) the Consolidated Balance Sheets;
  - (ii) the Consolidated Statements of Operations
  - (iii) the Consolidated Statements of Shareholders' Equity
  - (iv) the Consolidated Statements of Cash Flows; and
  - (v) the Notes to the Consolidated Financial Statements.

\* Management contract or compensatory plan or arrangement

\*\* Furnished, not filed

## **Management's Report on Internal Control Over Financial Reporting**

The management of the Company is responsible for establishing and maintaining adequate internal control over financial reporting. The internal control process has been designed under our supervision to provide reasonable assurance regarding the reliability of financial reporting and the preparation of the Company's consolidated financial statements for external reporting purposes in accordance with accounting principles generally accepted in the United States of America.

Management conducted an assessment of the effectiveness of the Company's internal control over financial reporting as of December 31, 2012, utilizing the framework established in Internal Control – Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). Based on this assessment, management has determined that the Company's internal control over financial reporting as of December 31, 2012 is effective.

Our internal control over financial reporting includes policies and procedures that pertain to the maintenance of records that accurately and fairly reflect, in reasonable detail, transactions and dispositions of assets; and provide reasonable assurances that: (1) transactions are recorded as necessary to permit preparation of consolidated financial statements in accordance with accounting principles generally accepted in the United States; (2) receipts and expenditures are being made only in accordance with authorizations of management and the directors of the Company; and (3) unauthorized acquisition, use, or disposition of the Company's assets that could have a material effect on the Company's consolidated financial statements are prevented or timely detected.

All internal control systems, no matter how well designed, have inherent limitations. Therefore, even those systems determined to be effective can provide only reasonable assurance with respect to consolidated financial statement preparation and presentation. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

**REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

To the Audit Committee of the  
Board of Directors and Shareholders  
of Andrea Electronics Corporation

We have audited the accompanying consolidated balance sheets of Andrea Electronics Corporation and Subsidiaries (the "Company") as of December 31, 2012 and 2011, and the related consolidated statements of operations, shareholders' equity and cash flows for the years then ended. These consolidated financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these consolidated financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement. The Company is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the consolidated financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the consolidated financial position of Andrea Electronics Corporation and Subsidiaries, as of December 31, 2012 and 2011, and the consolidated results of their operations and their cash flows for the years then ended in conformity with

accounting principles generally accepted in the United States of America.

/s/ **Marcum LLP**

Marcum LLP

Melville, NY

March 29, 2013

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## ANDREA ELECTRONICS CORPORATION AND SUBSIDIARIES

### CONSOLIDATED BALANCE SHEETS

	December 31,	
	2012	2011
<b><u>ASSETS</u></b>		
Current assets:		
Cash	\$1,746,363	\$2,193,377
Accounts receivable, net of allowance for doubtful accounts of \$18,980 and \$18,580, respectively	229,025	562,763
Inventories, net	633,069	702,177
Deferred income taxes, net	—	22,801
Prepaid expenses and other current assets	89,327	108,236
Total current assets	2,697,784	3,589,354
Property and equipment, net	266,137	307,440
Intangible assets, net	752,973	1,195,886
Deferred income taxes, net	—	131,820
Other assets, net	12,864	12,864
Total assets	\$3,729,758	\$5,237,364
<b><u>LIABILITIES AND SHAREHOLDERS' EQUITY</u></b>		
Current liabilities:		
Trade accounts payable	\$197,954	\$267,353
Accrued Series C Preferred Stock Dividends	73,921	73,921
Other current liabilities	163,286	167,594
Total current liabilities	435,161	508,868

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Series B Redeemable Convertible Preferred Stock, \$.01 par value; authorized: 1,000 shares; issued and outstanding: 0 shares	—	—
Commitments and contingencies		
Shareholders' equity:		
Preferred stock, \$.01 par value; authorized: 2,497,500 shares; none issued and outstanding	—	—
Series C Convertible Preferred Stock, net, \$.01 par value; authorized: 1,500 shares; issued and outstanding: 44.2 shares; liquidation value: \$442,314	1	1
Series D Convertible Preferred Stock, net, \$.01 par value; authorized: 2,500,000 shares; issued and outstanding: 907,144 shares; liquidation value: \$907,144	9,072	9,072
Common stock, \$.01 par value; authorized: 200,000,000 shares; issued and outstanding: 63,721,035 shares	637,210	637,210
Additional paid-in capital	77,521,216	77,462,595
Accumulated deficit	(74,872,902)	(73,380,382)
Total shareholders' equity	3,294,597	4,728,496
Total liabilities and shareholders' equity	\$3,729,758	\$5,237,364

The accompanying notes are an integral part of these consolidated financial statements

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**ANDREA ELECTRONICS CORPORATION AND SUBSIDIARIES**

**CONSOLIDATED STATEMENTS OF OPERATIONS**

	For the Years Ended	
	December 31,	
	2012	2011
Revenues		
Net product revenues	\$2,683,195	\$2,832,340
License revenues	641,721	1,332,312

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Net Revenues	3,324,916	4,164,652
Cost of revenues	1,565,541	1,564,156
Gross margin	1,759,375	2,600,496
Research and development expenses	749,879	762,878
General, administrative and selling expenses	2,355,748	2,342,140
Loss from operations	(1,346,252 )	(504,522 )
Interest income, net	8,369	7,904
Loss before provision for income taxes	(1,337,883 )	(496,618 )
Provision for income taxes, net	154,637	19,251
Net loss	\$(1,492,520 )	\$(515,869 )
Basic and diluted weighted average shares	63,721,035	63,721,035
Basic and diluted net loss per share	\$(0.02 )	\$(0.01 )

The accompanying notes are an integral part of these consolidated financial statements.

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**ANDREA ELECTRONICS CORPORATION AND SUBSIDIARIES**



## CONSOLIDATED STATEMENTS OF SHAREHOLDERS' EQUITY

FOR THE YEARS ENDED DECEMBER 31, 2012 AND 2011

	Series C Convertible Preferred Stock Outstanding	Series C Convertible Preferred Stock	Series D Convertible Preferred Stock Outstanding	Series D Convertible Preferred Stock	Common Stock Shares Outstanding	Common Stock	Additional Paid-In Capital	Accumulated Deficit	Total Shareholders' Equity
Balance, January 1, 2011	44.231432	\$1	907,144	\$9,072	63,721,035	\$637,210	\$77,305,587	\$(72,864,513)	\$5,087,357
Stock-based Compensation Expense related to Stock Option Grants	—	—	—	—	—	—	157,008	—	157,008
Net loss	—	—	—	—	—	—	—	(515,869 )	(515,869 )
Balance, December 31, 2011	44.231432	\$1	907,144	\$9,072	63,721,035	\$637,210	\$77,462,595	\$(73,380,382)	\$4,728,496
Stock-based Compensation Expense related to Stock Option Grants	—	—	—	—	—	—	58,621	—	58,621
Net loss	—	—	—	—	—	—	—	(1,492,520 )	(1,492,520)
Balance, December 31, 2012	44.231432	\$1	907,144	\$9,072	63,721,035	\$637,210	\$77,521,216	\$(74,872,902)	\$3,294,597

The accompanying notes are an integral part of these consolidated financial statements.

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## ANDREA ELECTRONICS CORPORATION AND SUBSIDIARIES

### CONSOLIDATED STATEMENTS OF CASH FLOWS

	For the Years Ended December 31,	
	2012	2011
Cash flows from operating activities:		
Net loss	\$(1,492,520)	\$(515,869 )
Adjustments to reconcile net loss to net cash (used in) provided by operating activities:		
Depreciation and amortization	573,489	546,183
Stock based compensation expense	58,621	157,008
Provision for doubtful accounts	400	7,138
Deferred income taxes	154,621	19,079
Change in:		
Accounts receivable	333,338	(64,769 )
Inventories	69,108	71,497
Short term customer deposit	—	79,632
Prepaid expenses and other current assets	18,909	15,531
Trade accounts payable	(69,399 )	(35,845 )
Short-term deferred revenue	—	(109,632 )
Other current liabilities	(4,308 )	(6,278 )
Net cash (used in) provided by operating activities	(357,741 )	163,675
Cash flows from investing activities:		
Purchases of property and equipment	(51,023 )	(125,527 )
Purchases of patents and trademarks	(38,250 )	(26,092 )
Net cash used in investing activities	(89,273 )	(151,619 )
Cash flows from financing activities:		
Principal repayments of long term debt	—	(39,673 )
Net cash used in financing activities	—	(39,673 )
Net decrease in cash	(447,014 )	(27,617 )
Cash, beginning of year	2,193,377	2,220,994
Cash, end of year	\$1,746,363	\$2,193,377

Supplemental disclosures of cash flow information:

Cash paid for:

Income Taxes	\$3,015	\$5,216
Interest	\$—	\$1,865

The accompanying notes are an integral part of these consolidated financial statements.

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**ANDREA ELECTRONICS CORPORATION AND SUBSIDIARIES**

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS  
DECEMBER 31, 2012

**1. ORGANIZATION AND BUSINESS**

Andrea Electronics Corporation, incorporated in the State of New York in 1934, (together with its subsidiaries, “Andrea” or the “Company”) has been engaged in the electronic communications industry since its inception. Since the early 1990s, Andrea has been primarily focused on developing and manufacturing state-of-the-art microphone technologies and products for enhancing speech-based applications software and communications, primarily in the

computer and business enterprise markets that require high quality, clear voice signals. Andrea's technologies eliminate unwanted background noise to enable the optimum performance of various speech-based and audio applications. Andrea DSP Microphone and Audio Software Products and Andrea Anti-Noise Products have been designed for applications that are controlled by or depend on speech across a broad range of hardware and software platforms. These products incorporate Digital Signal Processing, Noise Cancellation, Active Noise Cancellation and Active Noise Reduction microphone technologies, and are designed to cancel background noise in a wide range of noisy environments, such as homes, offices, factories and automobiles. Andrea also manufactures a line of accessories for these products for the consumer and commercial markets in the United States as well as in Europe and Asia.

## **2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

### Principles of Consolidation

The consolidated financial statements include the accounts of Andrea and its wholly-owned subsidiaries. All intercompany balances and transactions have been eliminated in consolidation.

### (Loss) earnings Per Share

Basic (loss) earnings per share is computed by dividing the net (loss) income by the weighted average number of common shares outstanding during the period. Diluted (loss) earnings adjusts basic (loss) earnings per share for the effects of convertible securities, stock options and other potentially dilutive financial instruments, only in the periods in which such effect is dilutive. Securities that could potentially dilute basic earnings per share ("EPS") in the future that were not included in the computation of the diluted EPS because to do so would have been anti-dilutive for the periods presented, consist of the following:

	December 31,	
	2012	2011
Total potentially dilutive common shares as of:		
Options to purchase common stock (Note 11)	17,270,321	17,760,321
Series C Convertible Preferred Stock and related accrued dividends (Note 7)	2,023,658	2,023,658
Series D Convertible Preferred Stock (Note 8)	3,628,576	3,628,576
Total potentially dilutive common shares	22,922,555	23,412,555

### Cash

Cash includes cash and highly liquid investments with original maturities of three months or less. At times during the years ended December 31, 2012 and 2011, the Company has cash deposits in excess of the maximum amounts insured by the Federal Deposit Insurance Corporation insurance limits. At December 31, 2012, the Company's cash is held at three financial institutions.

Concentration of Risk

The following customers accounted for 10% or more of Andrea's consolidated net revenues during at least one of the periods presented below:

	December 31,	
	2012	2011
Customer A	17%	26%
Customer B	12%	10%

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\* Amounts are less than 10%

Customer A accounted for approximately 32% of accounts receivable at December 31, 2012. Customer A and Customer B accounted for approximately 61% and 8% of accounts receivable at December 31, 2012 and 2011, respectively.

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**ANDREA ELECTRONICS CORPORATION AND SUBSIDIARIES**

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS  
DECEMBER 31, 2012

The following suppliers accounted for 10% or more of Andrea's purchases during the periods presented below:

	December	
	31,	
	2012	2011
Supplier A	70%	72%
Supplier B	*	14%
Supplier C	13%	*

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\* Amounts are less than 10%

At December 31, 2012 and December 31, 2011, Supplier A accounted for approximately \$115,000 or 58% and \$171,000 or 64%, of accounts payable, respectively.

#### Allowance for Doubtful Accounts

The Company performs on-going credit evaluations of its customers and adjusts credit limits based upon payment history and the customer's current credit worthiness, as determined by the review of their current credit information. Collections and payments from customers are continuously monitored. The Company maintains an allowance for doubtful accounts, which is based upon historical experience as well as specific customer collection issues that have been identified. While such bad debt expenses have historically been within expectations and allowances established, the Company cannot guarantee that it will continue to experience the same credit loss rates that it has in the past. If the financial condition of customers were to deteriorate, resulting in an impairment of their ability to make payments, additional allowances may be required.

#### Inventories

Inventories are stated at the lower of cost (on a first-in, first-out) or market basis. The cost of inventory is based on the respective cost of materials. Andrea reviews its inventory reserve for obsolescence on a quarterly basis and establishes reserves on inventories based on the specific identification method as well as a general reserve. Andrea records charges in inventory reserves as part of cost of revenues.

#### Property and Equipment

Property and equipment is stated at cost less accumulated depreciation and amortization. Depreciation is provided on a straight-line basis over the estimated useful lives of the assets ranging from 3 to 10 years. Leasehold improvements

are amortized on a straight-line basis over the shorter of the lives of the respective leases or the expected useful lives of those improvements.

Expenditures for maintenance and repairs that do not materially prolong the normal useful life of an asset are charged to operations as incurred. Improvements that substantially extend the useful lives of the assets are capitalized. Upon sale or other disposition of assets, the cost and related accumulated depreciation and amortization are removed from the accounts and the resulting gain or loss, if any, is reflected in the statement of operations.

#### Other Intangible Assets

Andrea amortizes its core technology and patents and trademarks on a straight-line basis over their estimated useful lives that range from 10 to 20 years.

#### Long-Lived Assets

Andrea accounts for its long-lived assets in accordance with Statement of Financial Accounting Standards Board (“FASB”) Accounting Standard Codification (“ASC”) 360 “Plant, Property and Equipment,” for purposes of determining and measuring impairment of its long-lived assets (primarily intangible assets) other than goodwill. Andrea’s policy is to review the value assigned to its long lived assets to determine if they have been permanently impaired by adverse conditions which may affect Andrea whenever events or changes in circumstances indicate that the carrying amount may not be recoverable. If Andrea identifies a permanent impairment such that the carrying amount of Andrea’s long lived assets is not recoverable using the sum of an undiscounted cash flow projection (gross margin dollars from product sales), the impaired asset is adjusted to its estimated fair value, based on an estimate of future discounted cash flows which becomes the new cost basis for the impaired asset. Considerable management judgment is necessary to estimate undiscounted future operating cash flows and fair values and, accordingly, actual results could vary significantly from such estimates. No impairment charges were recognized during the years ended December 31, 2012 and 2011.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS  
DECEMBER 31, 2012

Revenue Recognition

Non software-related revenue, which is generally comprised of microphones and microphone connectivity product revenues, is recognized when title and risk of loss pass to the customer, which is generally upon shipment. With respect to licensing revenues, Andrea recognizes revenue in accordance with ASC 985, "Software" and ASC 605 "Revenue Recognition." License revenue is recognized based on the terms and conditions of individual contracts. In addition, fee based services, which are short-term in nature, are generally performed on a time-and-material basis under separate service arrangements and the corresponding revenue is generally recognized as the services are performed.

Income Taxes

Andrea accounts for income taxes in accordance with ASC 740, "Income Taxes" ("ASC 740"). ASC 740 requires an asset and liability approach for financial accounting and reporting for income taxes and establishes for all entities a minimum threshold for financial statement recognition of the benefit of tax positions, and requires certain expanded disclosures. The provision for income taxes is based upon income or loss after adjustment for those permanent items that are not considered in the determination of taxable income. Deferred income taxes represent the tax effects of differences between the financial reporting and tax bases of the Company's assets and liabilities at the enacted tax rates in effect for the years in which the differences are expected to reverse. The Company evaluates the recoverability of deferred tax assets and establishes a valuation allowance when it is more likely than not that some portion or all of the deferred tax assets will not be realized. After considering changes in previously existing positive and negative evidence in the third quarter of 2012, the Company determined that a full valuation allowance against the deferred tax asset was required. Management makes judgments as to the interpretation of the tax laws that might be challenged upon an audit and cause changes to previous estimates of tax liability. In management's opinion, adequate provisions for income taxes have been made for all years. If actual taxable income by tax jurisdiction varies from estimates, additional allowances or reversals of reserves may be necessary. Income tax expense consists of the tax payable for the period and the change during the period in deferred tax assets and liabilities. The Company has identified its federal tax return and its state tax return in New York as "major" tax jurisdictions. Based on the Company's evaluation, it has been concluded that there are no significant uncertain tax positions requiring recognition in the Company's consolidated financial statements. The Company's evaluation was performed for tax years ended 2009 through 2012. The Company believes that its income tax positions and deductions will be sustained on audit and does not anticipate any adjustments that will result in a material change to its consolidated financial position.

Stock-Based Compensation



At December 31, 2012, Andrea had two stock-based employee compensation plans, which are described more fully in Note 11. Andrea accounts for stock based compensation in accordance with ASC 718, "Compensation – Stock Compensation" ("ASC 718"). ASC 718 establishes accounting for stock-based awards exchanged for employee services. Under the provisions of ASC 718, share-based compensation cost is measured at the grant date, based on the fair value of the award, and is recognized as expense over the employee's requisite service period (generally the vesting period of the equity grant). The fair value of the Company's common stock options are estimated using the Black Scholes option-pricing model with the following assumptions: expected volatility, dividend rate, risk free interest rate and the expected life. The Company expenses stock-based compensation by using the straight-line method. In accordance with ASC 718, excess tax benefits realized from the exercise of stock-based awards are classified in cash flows from financing activities. The future realization of the reserved deferred tax assets related to these tax benefits associated with the exercise of stock options will result in a credit to additional paid in capital if the related tax deduction reduces taxes payable. The Company has elected the "with and without approach" regarding ordering of windfall tax benefits to determine whether the windfall tax benefit did reduce taxes payable in the current year. Under this approach, the windfall tax benefit would be recognized in additional paid-in-capital only if an incremental tax benefit is realized after considering all other benefits presently available.

### Research and Development

Andrea expenses all research and development costs as incurred.

### Shipping and Handling Costs

Andrea incurs shipping and handling costs in its operations. These costs are included in "Cost of revenues" in the consolidated statements of operations. \$66,313 and \$80,919 were billed to customers and are included in net revenues for the years ended December 31, 2012 and 2011, respectively.

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## **ANDREA ELECTRONICS CORPORATION AND SUBSIDIARIES**

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS  
DECEMBER 31, 2012

### Advertising Expenses

In accordance with ASC 720 all media costs of newspaper and magazine advertisements as well as trade show costs are expensed as incurred. Total advertising and marketing expenses for the years ended December 31, 2012 and 2011 were \$73,442 and \$127,371, respectively and are included in general, administrative and selling expenses.

### Fair Value of Financial Instruments

ASC 820 defines fair value, establishes a framework for measuring fair value in accordance with generally accepted accounting principles, and expands disclosures about payments to transfer a liability in an orderly transaction between market participants at the measurement date. ASC 820 applies to all assets and liabilities that are measured and reported on a fair value basis.

The Company will apply the provisions of ASC 820 to nonfinancial assets and liabilities. Andrea calculates the fair value of financial instruments and includes this additional information in the notes to consolidated financial statements when the fair value is different than the book value of those financial instruments. When the book value approximates fair value, no additional disclosure is made. Andrea uses quoted market prices whenever available to calculate these fair values. When quoted market prices are not available, Andrea uses standard pricing models for various types of financial instruments which take into account the present value of estimated future cash flows. As of December 31, 2012 and 2011, the carrying value of all financial instruments approximated fair value.

### Use of Estimates

The preparation of the consolidated financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities and disclosures of contingent assets and liabilities at the date of the consolidated financial statements and the reported amounts of revenues and expenses during the reporting period.

Management bases its estimates on historical experience and on various assumptions that are believed to be reasonable under the circumstances, the results of which form the basis for making judgments about the carrying value of assets and liabilities that are not readily apparent from other sources. The most significant estimates, among other things, are used in accounting for allowances for bad debts, inventory valuation and obsolescence, product warranty, depreciation, deferred income taxes, expected realizable values for assets (primarily intangible assets), contingencies, revenue recognition as well as the recording and presentation of the Company's convertible preferred stock. Estimates and assumptions are periodically reviewed and the effects of any material revisions are reflected in the consolidated

financial statements in the period that they are determined to be necessary. Actual results could differ from those estimates and assumptions.

Reclassifications

Certain prior year amounts have been reclassified to conform to the current year presentation.

Subsequent Events

The Company evaluates events that occurred after the balance sheet date but before the financial statements are issued. Based upon the evaluation, the Company did not identify any recognized or non-recognized subsequent events that would have required adjustment or disclosure in the consolidated financial statements.

**3. INTANGIBLE ASSETS**

Intangible assets, net, consists of the following:

	December 31,	
	2012	2011
Core Technology	\$8,567,448	\$8,567,448
Trademarks and Patents	696,317	658,067
	9,263,765	9,225,515
Less: accumulated amortization	(8,510,792)	(8,029,629)
	\$752,973	\$1,195,886

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NOTES TO CONSOLIDATED FINANCIAL STATEMENTS  
DECEMBER 31, 2012

The changes in the carrying amount of intangible assets during the years ended December 31, 2012 and 2011 were as follows:

	Core Technology	Trademarks and Patents	Totals
Balance as of January 1, 2011	\$ 1,324,263	\$ 324,600	\$ 1,648,863
Additions during the period	—	26,092	26,092
Amortization	(441,421 )	(37,648 )	(479,069 )
Balance as of December 31, 2011	\$ 882,842	\$ 313,044	\$ 1,195,886
Additions during the period	—	38,250	38,250
Amortization	(441,421 )	(39,742 )	(481,163 )
Balance as of December 31, 2012	\$ 441,421	\$ 311,552	\$ 752,973

Andrea accounts for its long-lived assets in accordance with ASC 360 “Property, Plant and Equipment” for purposes of determining and measuring impairment of its long-lived assets (primarily intangible assets) other than goodwill. Andrea’s policy is to periodically review the value assigned to its long-lived assets to determine if they have been permanently impaired by adverse conditions which may affect Andrea. If Andrea identifies a permanent impairment such that the carrying amount of Andrea’s long lived assets are not recoverable using the sum of an undiscounted cash flow projection (gross margin dollars from product revenues), a new cost basis for the impaired asset will be established. If required, an impairment charge is recorded based on an estimate of future discounted cash flows. This new cost basis will be net of any recorded impairment. At December 31, 2012, Andrea compared the sum of undiscounted cash flow projections (gross margin dollars from product sales) of the Andrea DSP Microphone and Audio Software core technology to the carrying value of that technology and concluded that the Andrea DSP Microphone and Audio Software Products business segment was not impaired. At December 31, 2011, Andrea concluded that the Andrea DSP Microphone and Audio Software Products business segment was not required to be tested for recoverability.

Amortization expense was \$481,163 and \$479,069 for the years ended December 31, 2012 and 2011, respectively. The remaining core technology of \$441,421 will be amortized in 2013. Trademarks and patents, once issued are amortized on a straight-line basis over periods ranging from 10-20 years. Assuming no changes in the Company's intangible assets, estimated amortization expense for each of the five succeeding fiscal years ending December 31 is expected to be approximately \$468,007, \$34,045, \$33,964, \$33,228 and \$30,361 per year, respectively.

#### 4. INVENTORIES, net

Inventories, net, consist of the following:

	December 31,	
	2012	2011
Raw materials	\$25,484	\$19,044
Finished goods	1,262,535	1,338,730
	1,288,019	1,357,774
Less: reserve for obsolescence	(654,950 )	(655,597 )
	\$633,069	\$702,177

**5. PROPERTY AND EQUIPMENT, net**

Property and equipment, net, consists of the following:

	December 31,	
	2012	2011
Leasehold Improvements	\$20,501	\$20,501
Information Technology Equipment	315,243	302,390
Furniture and fixtures	108,878	108,878
Tools, molds and testing equipment	253,976	215,806
	698,598	647,575
Less: accumulated depreciation and amortization	(432,461)	(340,135)
	\$266,137	\$307,440

Depreciation and amortization of property and equipment was \$92,326 and \$67,114 for the years ended December 31, 2012 and 2011, respectively.

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**ANDREA ELECTRONICS CORPORATION AND SUBSIDIARIES**

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS  
DECEMBER 31, 2012

**6. OTHER CURRENT LIABILITIES**

Other current liabilities consist of the following:

	December 31,	
	2012	2011
Accrued payroll and related expenses	\$80,480	\$89,003
Accrued professional and other service fees	82,806	78,591
	\$163,286	\$167,594

## **7. SERIES C CONVERTIBLE PREFERRED STOCK**

On October 10, 2000, Andrea issued and sold in a private placement \$7,500,000 of Series C Redeemable Convertible Preferred Stock (the "Series C Preferred Stock"). Each of these shares of Series C Preferred Stock had a stated value of \$10,000 plus a \$1,671 increase in the stated value, which sum is convertible into Common Stock at a conversion price of \$0.2551. On February 17, 2004, Andrea announced that it had entered into an Exchange and Termination Agreement and an Acknowledgment and Waiver Agreement, which eliminated the dividend of 5% per annum on the stated value. The additional amount of \$1,671 represents the 5% per annum from October 10, 2000 through February 17, 2004. The shares of Series C Preferred Stock are subject to antidilution provisions, which are triggered in the event of certain stock splits, recapitalizations, or other dilutive transactions. In addition, issuances of common stock at a price below the conversion price then in effect (currently \$0.2551), or the issuance of warrants, options, rights, or convertible securities which have an exercise price or conversion price less than that conversion price, other than for certain previously outstanding securities and certain "excluded securities" (as defined in the certificate of amendment), require the adjustment of the conversion price to that lower price at which shares of common stock have been issued or may be acquired. In the event that Andrea issues securities in the future which have a conversion price or exercise price which varies with the market price and the terms of such variable price are more favorable than the conversion price in the Series C Preferred Stock, the purchasers may elect to substitute the more favorable variable price when making conversions of the Series C Preferred Stock.

In accordance with Sub Topic 815-40, Andrea evaluated the Series C Preferred Stock and concluded that it is not indexed to the Company's stock because of the conversion price adjustment feature described above. Accordingly, under the provisions of ASC 815, "Derivatives and Hedging" ("ASC 815"), Andrea evaluated the Series C Preferred Stock embedded conversion feature. The Company has concluded that the embedded conversion feature would be classified in shareholders' equity if it were a freestanding instrument as the Series C Preferred Stock is more akin to equity and as such it should not be bifurcated from the Series C instrument and accounted for separately.

As of December 31, 2012, there were 44,231,432 shares of Series C Preferred Stock outstanding, which were convertible into 2,023,658 shares of Common Stock and remaining accrued dividends of \$73,921.

## **8. SERIES D CONVERTIBLE PREFERRED STOCK**

On February 17, 2004, Andrea entered into a Securities Purchase Agreement (including a Registration Rights Agreement) with certain holders of the Series C Preferred Stock and other investors (collectively, the “Buyers”) pursuant to which the Buyers agreed to invest a total of \$2,500,000. In connection with this agreement, on February 23, 2004, the Buyers purchased, for a purchase price of \$1,250,000, an aggregate of 1,250,000 shares of a new class of preferred stock, the Series D Preferred Stock, convertible into 5,000,000 shares of Common Stock (an effective conversion price of \$0.25 per share) and Common Stock warrants exercisable for an aggregate of 2,500,000 shares of Common Stock. These warrants were exercisable at any time after August 17, 2004, at an exercise price of \$0.38 per share. On February 23, 2009, these warrants expired without being exercised.

In addition, on June 4, 2004, the Buyers purchased for an additional \$1,250,000, an additional 1,250,000 shares of Series D Preferred Stock convertible into 5,000,000 shares of Common Stock (an effective conversion price of \$0.25 per share) and Common Stock warrants exercisable for an aggregate of 2,500,000 shares of Common Stock. The warrants were exercisable at any time after December 4, 2004 and before June 4, 2009 at an exercise price of \$0.17 per share. On June 4, 2009, these warrants expired without being exercised.

The shares of Series D Preferred Stock are also subject to antidilution provisions, which are triggered in the event of certain stock splits, recapitalizations, or other dilutive transactions. In addition, issuances of common stock at a price below the conversion price then in effect (currently \$0.25), or the issuance of warrants, options, rights, or convertible securities which have an exercise price or conversion price less than that conversion price, other than for certain previously outstanding securities and certain “excluded securities” (as defined in the certificate of amendment), require the adjustment of the conversion price to that lower price at which shares of common stock have been issued or may be acquired. In the event that Andrea issues securities in the future which have a

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## **ANDREA ELECTRONICS CORPORATION AND SUBSIDIARIES**

### **NOTES TO CONSOLIDATED FINANCIAL STATEMENTS DECEMBER 31, 2012**

conversion price or exercise price which varies with the market price and the terms of such variable price are more favorable than the conversion price in the Series D Preferred Stock, the purchasers may elect to substitute the more favorable variable price when making conversions of the Series D Preferred Stock. In addition, the Company is required to use its best efforts to secure the inclusion for quotation on the Over the Counter Bulletin Board for the common stock issuable under the Series D Preferred Stock and to arrange for at least two market makers to register with the Financial Industry Regulatory Authority. In the event that the holder of the Series D Preferred Stock is unable

to convert these securities into Andrea Common Stock, the Company shall pay to each such holder a Registration Delay Payment. This payment is to be paid in cash and is equal to the product of (i) the stated value of such Preferred Shares multiplied by (ii) the product of (1) .0005 multiplied by (2) the number of days that sales cannot be made pursuant to the Registration Statement (excluding any days during that may be considered grace periods as defined by the Registration Rights Agreement).

In accordance with Sub Topic 815-40, Andrea evaluated the Series D Preferred Stock and concluded that it is not considered to be indexed to the Company's stock because of the conversion price adjustment feature described above. Accordingly, under the provisions of ASC 815, Andrea evaluated the Series D Preferred Stock embedded conversion feature. The Company has concluded that the embedded conversion feature would be classified in shareholders' equity if it were a freestanding instrument as the Series D Preferred Stock is more akin to equity and as such it should not be bifurcated from the Series D instrument and accounted for separately.

As of December 31, 2012, there were 907,144 shares of Series D Preferred Stock outstanding which were convertible into 3,628,576 shares of Common Stock.

## **9. INCOME TAXES**

The Company accounts for income taxes in accordance with ASC 740 which prescribes a recognition threshold and measurement process for financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. ASC 740 also provides guidance on de-recognition, classification, interest and penalties, accounting in interim period, disclosure and transition. There were no unrecognized tax benefits as of January 1, 2011 and during the years ended December 31, 2012 and 2011.

The Company was required to evaluate all of its tax positions including any limitations from the result of a change in control under Section 382. During 2007, the Company performed a preliminary evaluation as to whether a change in control had taken place. Management has determined that it is more likely than not that a change in control may have taken place. As a result of its preliminary evaluation management has determined that \$30 million of its \$50 million of total NOL may be subject to limitation and accordingly reduced its net deferred tax asset and related valuation allowance by \$11.7 million.

The Company has identified its federal tax return and its state tax return in New York as "major" tax jurisdictions, as defined in ASC 740. Based on the Company's evaluation, it has been concluded that there are no significant uncertain tax positions requiring recognition in the Company's consolidated financial statements. The Company's evaluation was performed for tax years ended 2009 through 2012. The Company believes that its income tax positions and deductions will be sustained on audit and does not anticipate any adjustments that will result in a material change to its consolidated financial position.



The Company's policy for recording interest and penalties associated with audits is to record such items as a component of income tax expense. There were no amounts accrued for penalties or interest as of or during the year ended December 31, 2012. For the year ended December 31, 2012, the Company determined that, more likely than not, its deferred tax assets would not be realized and, accordingly, increased the valuation allowance. The increase in the valuation allowance is included in the income tax provision in the accompanying consolidated statement of operations for the year ended December 31, 2012. Management is currently unaware of any issues under review that could result in significant payments, accruals or material deviations from its position.

The components of loss before income taxes are as follows:

	For the Years Ended December 31,	
	2012	2011
Domestic	\$(1,338,047)	\$(498,021)
Foreign	164	1,403
Loss before income taxes	\$(1,337,883)	\$(496,618)

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## ANDREA ELECTRONICS CORPORATION AND SUBSIDIARIES

### NOTES TO CONSOLIDATED FINANCIAL STATEMENTS DECEMBER 31, 2012

The provision for income tax consists of the following:

	For the Years Ended December 31,	
	2012	2011
Current:		
Federal	\$ —	\$ —
Foreign	16	172
State and Local	—	—
Total Current	16	172

Deferred			
Federal	(306,872	)	16,564
Foreign	—		—
State and Local	(45,128	)	2,436
Adjustment to valuation allowance related to net deferred tax assets	506,621		79
Total Deferred	154,621		19,079
Provision for income taxes	\$ 154,637		\$ 19,251

A reconciliation between the effective rate for income taxes and the amount computed by applying the statutory Federal income tax rate to loss from continuing operations before benefit for income taxes is as follows:

	For the Years Ended December 31,	
	2012	2011
Tax provision at statutory rate	(34)%	(34)%
State and local taxes	(5 )%	(5 )%
Core technology amortization	11 %	30 %
Stock Option Expense Related to Incentive Stock Options	2 %	10 %
Change in valuation allowance for net deferred tax assets	38 %	3 %
	12 %	4 %

The components of temporary differences that give rise to significant portions of the deferred tax asset, net, are as follows:

	For the Years Ended December 31,	
	2012	2011
Deferred tax assets:		
Accrued expenses	\$37,000	\$37,000
Allowance for doubtful accounts	7,000	7,000
Reserve for obsolescence	256,000	256,000
Expense associated with non-qualified stock options	88,000	85,000
Foreign tax credit	100,000	100,000
General business credit	1,142,000	1,119,000
NOL carryforward	7,584,000	7,258,000
	9,214,000	8,862,000
Less: valuation allowance	(9,214,000)	(8,707,379)
Deferred tax asset, net	\$—	\$154,621

The change in the valuation allowance for deferred tax assets are summarized as follows:

	For the Years Ended December 31,	
	2012	2011
Beginning Balance	\$8,707,379	\$8,707,300

Change in Allowance	506,621	79
Ending Balance	\$9,214,000	\$8,707,379

As of December 31, 2012, Andrea had net operating loss and credit carryforwards of approximately \$19.4 million (net amount after potential Section 382 limitations) expiring in varying amounts beginning in 2013 through 2032. Andrea has foreign tax credits of approximately \$100,000 expiring in varying amounts beginning 2016 through 2020 and General Business Credits of approximately \$1.1 million expiring in varying amounts beginning in 2013 through 2032. The Company has elected the “with and without approach” regarding ordering of windfall tax benefits to determine whether the windfall tax benefit did reduce taxes payable in the current year.

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**ANDREA ELECTRONICS CORPORATION AND SUBSIDIARIES**

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS  
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Under this approach the windfall tax benefit would be recognized in additional paid-in-capital only if an incremental tax benefit is realized after considering all other benefits presently available.

**10. COMMITMENTS AND CONTINGENCIES**

Leases

Andrea leases its corporate headquarters located in Bohemia, New York. The lease from an unrelated party, which currently expires in April 2015, is for approximately 11,000 square feet and houses Andrea’s warehousing, sales and executive offices. Rent expense under this operating lease was approximately \$93,994 and \$91,308 for the year ended December 31, 2012 and 2011, respectively.

As of December 31, 2012, the minimum annual future lease payments, under this lease and all other noncancellable operating leases, are as follows:

2013 112,562

2014 112,575  
2015 37,749  
Total \$262,886

### Employment Agreements

In July 2012, the Company entered into an employment agreement with Mr. Andrea. The effective date of the employment agreement is August 1, 2012 and the agreement expires July 31, 2013 and is subject to renewal as approved by the Compensation Committee of the Board of Directors. Pursuant to his employment agreement, Mr. Andrea will receive an annual base salary of \$350,000 (which was identical to Mr. Andrea's salary for the period from August 1, 2011 to July 31, 2012) through July 31, 2013. In December 2012, Mr. Andrea, voluntarily, agreed to a \$50,000 decrease of his annual salary for the remainder of the term of his employment agreement. The employment agreement provides for quarterly bonuses equal to 25% of the Company's pre-bonus net after tax quarterly earnings in excess of \$25,000 for a total quarterly bonus amount not to exceed \$12,500; and annual bonuses equal to 10% of the Company's annual pre-bonus net after tax earnings in excess of \$300,000. Adjustments to net after tax earnings shall be made to remove the impact of change in recognition of accumulated deferred tax asset value. All bonuses shall be payable as soon as the Company's cash flow permits. All bonus determinations or any additional bonus in excess of the above will be made in the sole discretion of the Compensation Committee. Mr. Andrea is also entitled to a change in control payment equal to two times his base salary with continuation of health and medical benefits for two years in the event of a change in control. In the event of his termination without cause or resignation with the Company's consent, Mr. Andrea is also entitled to a severance payment equal to six months of his base salary and a continuation for 12 months of health insurance coverage for Mr. Andrea, his spouse and his dependents. At December 31, 2012, the future minimum cash commitments under this agreement aggregate \$175,000.

In November 1999, as amended August 2008, the Company entered into a change in control agreement with the Chief Financial Officer, Corisa L. Guiffre. This agreement provides for a change in control payment equal to three times her average annual compensation for the five preceding taxable years, with continuation of health and medical benefits for three years in the event of a change in control of the Company, as defined in the agreement, and subsequent termination of employment other than for cause.

### Legal Proceedings

In December 2010, Audrey Edwards, Executrix of the Estate of Leon Leroy Edwards, filed a law suit in the Superior Court of Providence County, Rhode Island, against 3M Company and over 90 other defendants, including the Company, alleging that the Company processed, manufactured, designed, tested, packaged, distributed, marketed or sold asbestos containing products that contributed to the death of Leon Leroy Edwards. The Company received service of process in April 2011. The Company has retained legal counsel and has filed a response to the complaint. We cannot predict the outcome of this litigation although the Company believes the lawsuit is without merit.

## **11. STOCK PLANS AND STOCK-BASED COMPENSATION**

In 1998, the Board adopted the 1998 Stock Option Plan (“1998 Plan”), which was subsequently approved by the shareholders. The 1998 Plan, as amended, authorizes the granting of awards, the exercise of which would allow up to an aggregate of 6,375,000 shares of Andrea’s Common Stock to be acquired by the holders of those awards. The awards can take the form of stock options, stock appreciation rights, restricted stock, deferred stock, stock reload options or other stock-based awards. Awards may be granted to key employees, officers, directors and consultants. No further awards will be granted under the 1998 Plan.

In October 2006, the Board adopted the Andrea Electronics Corporation 2006 Equity Compensation Plan (“2006 Plan”), which was subsequently approved by the shareholders. The 2006 Plan, as amended, authorizes the granting of awards, the exercise of which

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## **ANDREA ELECTRONICS CORPORATION AND SUBSIDIARIES**

### **NOTES TO CONSOLIDATED FINANCIAL STATEMENTS DECEMBER 31, 2012**

would allow up to an aggregate of 18,000,000 shares of Andrea’s Common Stock to be acquired by the holders of those awards. The awards can take the form of stock options, stock appreciation rights, restricted stock or other stock-based awards. Awards may be granted to key employees, officers, directors and consultants. At December 31, 2012, there were 4,341,936 shares available for further issuance under the 2006 Plan.

The stock option awards granted under these plans have been granted with an exercise price equal to the market price of the Company’s stock at the date of grant; with vesting periods of up to four years and 10-year contractual terms.

The fair values of each stock option grant is estimated on the date of grant using the Black-Scholes option-pricing model that uses the weighted-average assumptions noted in the following table. Expected volatilities are based on implied volatilities from historical volatility of the Company’s stock. The expected term of options granted represents the period of time that options granted are expected to be outstanding. The risk-free rate for periods within the contractual life of the option is based on the U.S. Treasury yield curve in effect at the time of grant.

There were no stock options granted during 2012 or 2011.

Option activity during 2012 is summarized as follows:

	<b>Options Outstanding</b>				<b>Options Exercisable</b>			
	Options Outstanding	Weighted Average Exercise Price	Weighted Average Fair Value	Weighted Average Remaining Contractual Life	Options Exercisable	Weighted Average Exercise Price	Weighted Average Fair Value	Weighted Average Remaining Contractual Life
At January 1, 2012	17,760,321	\$ 0.10	\$ 0.09	5.83 years	15,489,553	\$ 0.10	\$ 0.09	5.50 years
Cancelled	(483,000 )	\$ 0.55	\$ 0.51					
Forfeited	(7,000 )	\$ 0.08	\$ 0.08					
At December 31, 2012	17,270,321	\$ 0.08	\$ 0.08	4.95 years	16,635,237	\$ 0.08	\$ 0.08	4.85 years

During the year ended December 31, 2012, 1,628,684 options vested with a weighted average exercise price of \$0.09 and a weighted average fair value of \$0.09 per option. Based on the December 31, 2012, fair market value of the Company's common stock of \$0.03 per share there is no aggregate intrinsic value of the 17,270,321 options outstanding and 16,635,237 shares exercisable.

Total compensation expense recognized related to stock option awards was \$58,621 and \$157,008 for the year ended December 31, 2012 and 2011, respectively. In the accompanying consolidated statement of operations for the year ending December 31, 2012, \$47,575 of expense is included in general, administrative and selling expenses, \$7,417 is included in research and development expenses and \$3,629 is included in cost of revenues. In the accompanying consolidated statement of operations for the year ending December 31, 2011 \$126,305 of expense is included in general, administrative and selling expenses, \$21,285 is included in research and development expenses and \$9,418 is included in cost of revenues.

As of December 31, 2012, there was \$14,162 of total unrecognized compensation cost related to nonvested share-based compensation arrangements granted under the 1998 and 2006 Plans. This unrecognized compensation cost is expected to be recognized in 2013.

## **12. SEGMENT INFORMATION**

Andrea follows the provisions of ASC 280, "Segment Reporting" ("ASC 280"). Reportable operating segments are determined based on Andrea's management approach. The management approach, as defined by ASC 280, is based on

the way that the chief operating decision-maker organizes the segments within an enterprise for making operating decisions and assessing performance. While Andrea's results of operations are primarily reviewed on a consolidated basis, the chief operating decision-maker also manages the enterprise in two segments: (i) Andrea DSP Microphone and Audio Software Products and (ii) Andrea Anti-Noise Products. Andrea DSP Microphone and Audio Software Products primarily include products based on the use of some, or all, of the following technologies: Andrea Digital Super Directional Array microphone technology (DSDA), Andrea Direction Finding and Tracking Array microphone technology (DFTA), Andrea PureAudio noise filtering technology, and Andrea EchoStop, an advanced acoustic echo cancellation technology. Our Andrea Anti-Noise Products include noise cancellation and active noise cancellation computer headset products and related computer peripheral products. The following represents selected consolidated financial information for Andrea's segments for the years ended December 31, 2012 and 2011:

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**ANDREA ELECTRONICS CORPORATION AND SUBSIDIARIES**
**NOTES TO CONSOLIDATED FINANCIAL STATEMENTS  
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<u>2012 Segment Data</u>	Andrea DSP Microphone and Audio Software Products	Andrea Anti-Noise Products	Total 2012
Net revenues from external customers	\$571,836	\$2,111,359	\$2,683,195
License revenues	641,721	—	641,721
Loss from operations	586,659	759,593	1,346,252
Depreciation and amortization	482,171	91,318	573,489
Purchases of property and equipment	8,427	42,596	51,023
Purchases of patents and trademarks	19,234	19,016	38,250
Assets	1,946,597	1,783,161	3,729,758
Total long lived assets	759,273	259,837	1,019,110
<u>2011 Segment Data</u>	Andrea DSP Microphone and Audio Software Products	Andrea Anti-Noise Products	Total 2010
Net revenues from external customers	\$608,700	\$2,223,640	\$2,832,340
License revenues	1,332,312	—	1,332,312
Income (loss) from operations	146,069	(650,591)	(504,522)
Depreciation and amortization	478,819	67,364	546,183
Purchases of property and equipment	19,761	105,766	125,527

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Purchases of patents and trademarks	16,175	9,917	26,092
Assets	3,178,206	2,059,158	5,237,364
Total long lived assets	1,213,783	289,543	1,503,326

Management of Andrea assesses assets and non-operating income statement data on a consolidated basis only. International revenues are based on the country in which the end-user is located. For the years ended December 31, 2012 and 2011, and as of each respective year-end, net revenues and accounts receivable by geographic area are as follows:

<u>Geographic Data</u>	2012	2011
Net Revenues:		
United States	\$2,769,116	\$3,484,170
Foreign <sup>(1)</sup>	555,800	680,482
	\$3,324,916	\$4,164,652
Accounts receivable:		
United States	\$206,575	\$499,679
Foreign	22,450	63,084
	\$229,025	\$562,763

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(1) Net revenues to any one foreign country did not exceed 10% of total net revenues for year ended December 31, 2012 and 2011.

\$76,297 of our property and equipment, net represents product tools and molds. These tools and molds are located in Asia at the manufacturing facility, which produces the respective product. All of our remaining property and equipment, net is located at our facility in Bohemia, New York.

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**SIGNATURES**

Pursuant to the requirements of the Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

ANDREA ELECTRONICS CORPORATION



By: /s/ DOUGLAS J. ANDREA  
Name: **Douglas J. Andrea**  
Title: **Chairman of the Board, President,  
Chief Executive Officer and Corporate  
Secretary**

Date: March 29, 2013

Pursuant to the requirements of the Securities Exchange Act of 1934, this Report has been signed below by the following persons in the capacities and on the dates indicated.

/s/ DOUGLAS J. ANDREA Chairman of the Board, President, Chief Executive March 29, 2013  
**Douglas J. Andrea** Officer and Corporate Secretary

/s/ CORISA L. GUIFFRE Vice President, Chief Financial Officer and March 29, 2013  
Corisa L. Guiffre Assistant Corporate Secretary

/s/ GARY A. JONES Director March 29, 2013  
Gary A. Jones

/s/ LOUIS LIBIN Director March 29, 2013  
**Louis Libin**

/s/ JOSEPH J. MIGLIOZZI Director March 29, 2013  
**Joseph J. Migliozi**

/s/ JONATHAN D. SPAET Director March 29, 2013  
**Jonathan D. Spaet**

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