

DIGITAL ANGEL CORP  
Form POS AM  
October 24, 2003

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As filed with the Securities and Exchange Commission on October 24, 2003

Registration No. 333-100940

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## SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

### POST EFFECTIVE AMENDMENT NO. 1 ON FORM S-3 TO FORM S-1 ON FORM S-3

REGISTRATION STATEMENT

Under

The Securities Act of 1933

### DIGITAL ANGEL CORPORATION

(Exact Name of Registrant as Specified in Its Charter)

**Delaware**

(State or Other Jurisdiction of Incorporation or Organization)

**52-1233960**

(I.R.S. Employer Identification No.)

**490 Villaume Avenue, South St. Paul, MN 55075**

**(651) 455-1621**

(Address, Including Zip Code, and Telephone Number, Including Area Code, of Registrant's Principal Executive Offices)

**Kevin H. McLaughlin**

**President and Chief Executive Officer**

**490 Villaume Avenue**

**South St. Paul, MN 55075**

(Name and Address of Agent for Service)

**(651) 455-1621**

(Name, Address, including Zip Code, and Telephone Number, Including Area Code, of Agent for Service)

copy to:

**Michele D. Vaillancourt, Esq.**

**Winthrop & Weinstine, P.A.**

**Suite 3500**

**225 South Sixth Street**

**Minneapolis, MN 55402**

**612-604-6400**

**APPROXIMATE DATE OF COMMENCEMENT OF PROPOSED SALE TO THE PUBLIC: From time to time after the effective date of this Post-Effective Amendment No. 1.**

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If the only securities being registered on this form are being offered pursuant to dividend or interest reinvestment plans, please check the following box.

If any of the securities being registered on this form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box.

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

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

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

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

### CALCULATION OF REGISTRATION FEE

<b>Title of Securities To Be Registered</b>	<b>Amount To Be Registered</b>	<b>Proposed Maximum Offering Price Per Share</b>	<b>Proposed Maximum Aggregate Offering Price</b>	<b>Amount of Registration Fee</b>
Common Stock, \$0.005 par value	22,310,625	\$2.27(1)	\$50,645,119(1)	\$ (2)

(1) Estimated in accordance with Rule 457 solely for the purpose of determining the registration fee.

(2) Registration fee was previously paid upon filing of the Registration Statement on Form S-1, which became effective on January 21, 2003.

The information in this prospectus is not complete and may be changed. The selling shareholders may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and it is not soliciting offers to buy these securities in any state where the offer or sale is not permitted.

Subject to completion, dated October 24, 2003.

### PROSPECTUS

#### DIGITAL ANGEL CORPORATION

22,310,625 Shares

Common Stock

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This prospectus covers 22,310,625 shares of our common stock that may be offered and sold from time to time by the selling stockholders identified in this prospectus. We will not receive any proceeds from the sale of the shares of our common stock pursuant to this prospectus. We will bear the costs relating to the registration of the shares of our common stock, which we estimate to be approximately \$49,500.

Certain shares of our common stock are being registered to permit the selling stockholders to sell the shares of common stock from time to time in the public market. The selling stockholders may sell the shares of our common stock through ordinary brokerage transactions or through any other means described in this prospectus under "Plan of Distribution." The price at which selling stockholders may sell the shares will be determined by the prevailing market price for the shares or in negotiated transactions. We cannot assure you that the selling stockholders will sell all or a portion of the shares of our common stock offered under this prospectus.

Our common stock is listed on the American Stock Exchange (AMEX) under the symbol "DOC." On October 21, 2003 the last reported sale price of our common stock was \$2.27.

**Investing in shares of our common stock involves risks. See "Risk Factors" beginning on page 5 of this prospectus.**

**Neither the SEC nor any state securities commission has approved or disapproved of these securities or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.**

No dealer, salesperson or other person has been authorized to give any information or to make any representations other than those contained in or incorporated by reference into this prospectus in connection with the offer contained in this prospectus and, if given or made, such information or representations must not be relied upon as having been authorized by us. Neither the delivery of this prospectus nor any sale made hereunder shall under any circumstances create an implication that there has been no change in our affairs since the date hereof. We are offering to sell, and seeking offers to buy, shares of our common stock only in jurisdictions where such offers and sales are permitted. The information contained in, and incorporated by reference into, this prospectus speaks only as of the date of this prospectus unless the information specifically indicates that another date applies.

The date of this prospectus is \_\_\_\_\_, 2003.

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### THE COMPANY

*This summary highlights selected information contained elsewhere in this prospectus and incorporated into this prospectus by reference. This summary may not contain all of the information that may be important to you in considering an investment in our common stock. You should carefully read the entire prospectus, including the documents that are incorporated by reference into this prospectus, before making an investment decision. Unless the context requires otherwise, references in this prospectus to "Digital Angel Corporation," the "company," "we," "us," and "our" refer to Digital Angel Corporation and our wholly-owned subsidiaries.*

#### Overview

We were incorporated in Delaware on December 1, 1981 as Medical Advisory Systems, Inc. to provide medical assistance and technical products and services. On March 27, 2002, we completed a merger pursuant to which the former Digital Angel Corporation became a

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wholly-owned subsidiary of Medical Advisory Systems and was renamed "Digital Angel Technology Corporation," and Medical Advisory Systems was renamed "Digital Angel Corporation." In connection with the merger, Applied Digital Solutions contributed to Medical Advisory Systems all of its stock in Timely Technology, a wholly-owned subsidiary, and Signature Industries, an 85.0%-owned subsidiary. As a result of this contribution, Timely Technology became our wholly-owned subsidiary, and Signature Industries became our 85.0%-owned subsidiary. As a result of the merger and subsequent transactions, Applied Digital Solutions owned 19,600,000 shares (or 72.6%) of our outstanding shares of common stock as of September 30, 2003.

We are in the business of developing and commercializing proprietary technologies used to identify, locate and monitor people, animals and objects. Our business is organized into four segments: Animal Applications, Wireless and Monitoring, GPS and Radio Communications, and Medical Systems.

### **Animal Applications**

Our Animal Applications segment develops, manufactures and markets radio, electronic and visual identification devices for the companion animals, livestock, laboratory animals, fish and wildlife markets worldwide.

The Animal Applications segment's radio frequency identification products consist of miniature electronic microchips, readers and injection systems. We hold patents on our syringe-injectable microchip, which is encased in a glass or glass-like material capsule and incorporates an antenna and a microchip with a unique permanent identification code for the animal in which it is implanted. The microchip is typically injected under the skin using a hypodermic syringe, without requiring surgery. An associated reader device uses radio frequency to interrogate the microchip and read the code.

The Animal Applications segment's pet identification system involves the insertion of a microchip with identifying information in the animal. Readers at animal shelters, veterinary clinics and other locations can determine the animal's owner and other information. This pet identification system is marketed in the United States by Schering-Plough Pharmaceutical under the brand name "Home Again," in Europe by Merial Pharmaceutical, and in Japan by Dainippon Pharmaceutical. We have distribution agreements with a variety of other companies outside the United States to market our products. We have an established infrastructure with readers placed in approximately 70,000 global animal shelters and veterinary clinics. Over 1.7 million companion animals in the United States have been enrolled in the database, resulting in approximately 5,000 pet recoveries in the United States each month.

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In addition to pursuing the market for permanent identification of companion animals, the Animal Applications segment also produces visual and electronic identification products, principally for livestock producers. Visual identification products include numbered ear tags. The Animal Applications segment also produces and markets products for the permanent electronic identification of livestock.

### **Wireless and Monitoring**

Our Wireless and Monitoring segment is in the initial stage of operations. This segment develops and markets advanced technology, referred to as Digital Angel technology, to gather location and local sensory data and to communicate that data to an operations center. This segment is continuously developing its technology, which consists of the integration and miniaturization of three technologies: wireless communications (such as cellular), sensors (including bio-sensors) and position location technology (including global positioning systems (GPS) and other systems).

After the Digital Angel technology gathers location data and local sensory data and communicates that data to an operations center, the operations center can perform an action based on the data received (such as alert a doctor or update shipment information). We plan to introduce this technology into a variety of products to suit different applications ranging from medical monitoring to asset management. These products have been in the developmental stage since April 1998. The first Digital Angel technology product a biosensor chip linked to GPS was launched in November 2001. This product has not generated any significant revenue through June 30, 2003.

### **GPS and Radio Communications**

Signature Industries, located in the United Kingdom, operates our GPS and Radio Communications business. This segment consists of the design, manufacture and support of secure GPS-enabled search and rescue equipment (such as personal locator beacons) and intelligent communications products and services for telemetry, mobile data and radio communications applications serving commercial and military markets. This segment includes the design, manufacture and distribution of intrinsically safe sounders (horn alarms) for industrial use and other electronic components. This segment also includes a growing business in high-grade communications equipment leasing and complementary

data systems that customers can use to locate and monitor their assets.

### Medical Systems

This segment is comprised of a staff of logistics specialists and physicians operating from our medical telecommunications response center that provides medical assistance services and interactive medical information services to people traveling anywhere in the world, 24 hours per day, 7 days per week. Assistance is provided by telephone, satellite, high frequency radio, fax, Internet and telex. The primary market for our services is the maritime industry and the international travel insurance and assistance industry. Services include coordination of medical care, provision of general medical information, physician consultation, translation assistance, claims handling and cost containment on behalf of assistance companies, insurance companies or managed care organizations. We also offer medical training services to the maritime industry.

We also sell a variety of kits containing pharmaceutical and medical supplies. Included in the kits are both prescription and nonprescription medications, controlled substances, medical equipment and expendable medical supplies. The kits include our proprietary pharmaceutical manual, which provides information on proper storage, use and inventory control. All medications are specially labeled for use in our system. We directly supply pharmaceuticals to our maritime and airline customers through our pharmaceutical warehouse facility located in Owings, Maryland.

Our corporate headquarters are located at 490 Villaume Avenue, South St. Paul, MN 55075. Our telephone number is 651-455-1621.

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### RISK FACTORS

An investment in our common stock involves a high degree of risk. You should carefully consider the following risk factors and other information contained or incorporated by reference into this prospectus and any accompanying prospectus supplement before deciding to purchase any shares of our common stock.

**If we are required to issue additional shares of common stock in connection with our \$2,000,000 Secured Convertible Note, our \$1,500,000 Secured Minimum Borrowing Convertible Note and our \$3,500,000 Secured Revolving Convertible Note we issued to Laurus Master Fund, Ltd. ("Laurus") or upon the exercise of related warrants, our stockholders will experience dilution.**

On July 31, 2003, the Company sold to Laurus a two-year Secured Convertible Note (the Convertible Note) in the original principal amount of \$2,000,000. The Convertible Note is convertible, at Laurus's option, into shares of the Company's common stock at a per share price of \$2.33. The Company has the option to determine whether to satisfy interest and principal payments on the Convertible Note in cash or in shares of the Company's common stock, or any combination of both, subject to certain limitations as defined in the Convertible Note. In connection with the issuance of the Convertible Note, was also issued to Laurus on July 31, 2003 a five-year warrant to purchase 125,000 shares of our common stock at exercise prices ranging from \$2.68 to \$3.38 per share.

On August 28, 2003, the Company entered into a Security Agreement with Laurus under which the Company issued to Laurus a Secured Revolving Convertible Note (the Revolving Note) in the original principal amount of \$3,500,000 and a Secured Minimum Borrowing Convertible Note (the Minimum Borrowing Note) in the original principal amount of \$1,500,000. Beginning May 28, 2004, the Minimum Borrowing Note and the Revolving Note are convertible, at Laurus's option, into shares of the Company's common stock at a per price share of \$2.64. In connection with the issuance of the Minimum Borrowing Note and the Revolving Note, we also issued to Laurus on August 28, 2003 a five-year warrant to purchase 115,000 shares of our common stock at exercise prices ranging from \$2.55 to \$2.95 per share.

In connection with the Stock Purchase Agreement we entered into with Applied Digital Solutions on August 14, 2003, we granted five-year warrants to the holders of Applied Digital Solutions 8.5% debentures to acquire up to 500,000 shares of our common stock at an exercise price of \$2.64 per share. The warrants were issued in consideration for a waiver from the debenture holders which allowed Applied Digital Solutions to register the shares being issued in connection with the Stock Purchase Agreement.

The conversion of the Convertible Note, the Minimum Borrowing Note or the Revolving Note into shares of our common stock or the exercise of the above-described warrants, in whole or in part, will result in an increase in the total number of our shares outstanding and may result in our stockholders experiencing dilution in the net tangible book value per share of our common stock.

**The terms of our notes with Laurus subject us to the risk of foreclosure on substantially all of our assets.**

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We may not have sufficient funds to repay Laurus when the obligations on the Convertible Note, Minimum Borrowing Note and Revolving Note mature. Accordingly, we may be required to obtain the funds necessary to repay the obligations either through refinancing, the issuance of additional equity or debt securities or the sale of assets. There can be no assurance that, if needed, we can obtain the funds needed to repay the obligations from any one or more of these other sources on favorable economic terms or at all. If we are unable to obtain funds to repay this indebtedness, we may be forced to dispose of assets or take other actions on disadvantageous terms, which could result in losses to Digital Angel Corporation and have a material adverse effect on our financial condition. For these reasons, there can be no assurance that we will be able to repay the obligations upon their maturity.

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To secure the payment of all debts, liabilities and obligations owed to Laurus, we have granted to Laurus a security interest in and lien upon all of our property and assets, whether real or personal, tangible or intangible, and whether now owned or hereafter acquired, or in which it now has or at any time in the future may acquire any right, title or interests. Any event of default under the Convertible Note, Minimum Borrowing Note or Revolving Note would subject us to foreclosure by Laurus on substantially all of our assets to the extent necessary to repay any amounts due. Any such default and resulting foreclosure could have a material adverse effect on our financial condition.

### **Historical losses and negative cash flows from operations raise doubt about our ability to continue as a going concern.**

Historically, Digital Angel Corporation has suffered losses and has not generated positive cash flows from operations. This raises substantial doubt about our ability to continue as a going concern. The audit report of Eisner LLP for the year ended December 31, 2002 for our financial statements and the audit reports of PricewaterhouseCoopers LLP for each of the two years ended December 31, 2001 and 2000 for the Advanced Wireless Group's financial statements, which became our historical financial statements in the merger, contained an explanatory paragraph expressing doubt about Digital Angel Corporation's and the Advanced Wireless Group's ability to continue as a going concern.

### **Our majority stockholder, Applied Digital Solutions, owns 72.7% of our common stock, is able to completely control the board of directors and may support actions that conflict with the interests of the other stockholders.**

Applied Digital Solutions is the beneficial owner of 72.7% of our common stock, and it controls us with respect to all matters upon which our stockholders may vote, including the selection of the Board of Directors, mergers, acquisitions and other significant corporate transactions. There can be no assurance as to how Applied Digital Solutions will exercise control over us. Applied Digital Solutions may support actions that are contrary to or conflict with the interests of the other stockholders.

### **Sales of our common stock acquired upon an event of default by Applied Digital Solutions under its 8.5% Convertible Exchangeable Debentures may cause a reduction in the market value of our common stock.**

Applied Digital Solutions has pledged 15,000,000 shares of its 19,600,000 shares of our common stock as collateral for its obligations under its 8.5% Convertible Exchangeable Debentures. If an event of default occurs under the debentures including, but not limited to, the failure by Applied Digital Solutions to make any required payment to the debenture holders when such payment is due, the debenture holders may exercise their right to foreclose on all or a portion of the shares of our common stock pledged by Applied Digital Solutions as collateral for the payment of these obligations.

Foreclosure by one or more of the debenture holders on the shares of our common stock pledged as collateral in connection with the issuance of the debentures could result in the transfer of a significant number of shares of our common stock to one or more persons. There can be no assurance that any shares transferred to any debenture holder upon foreclosure will be held for any period of time by such debenture holder following such foreclosure. Following foreclosure, debenture holders may elect to sell our shares in private transactions or in the public market. If our shares are sold by the debenture holders, we will have no control over such sales. We can give no assurance as to how these shares of our common stock will be sold, who will purchase such shares or the number of shares that will be sold at any given time. The sale of a significant number of shares of our common stock in a single transaction or in a series of transactions over a short period of time could result in a significant decline in the market value of our common stock.

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**Our earnings will decline if we write off additional goodwill and other intangible assets.**

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As of June 30, 2003, we had recorded goodwill of \$47.5 million. On January 1, 2002, we adopted SFAS No. 142, "Goodwill and Other Intangible Assets." SFAS No. 142 requires that goodwill and certain intangibles no longer be amortized but instead tested for impairment at least annually by applying a fair value based test. During the first quarter of 2002, we completed the transitional goodwill impairment test required by SFAS No. 142 and recorded no impairment of our goodwill. During the fourth quarter of 2002, we performed the annual impairment test for goodwill using a fair value based approach, primarily discounted cash flows. An evaluation of the Wireless and Monitoring and Medical Systems reporting units indicated that \$31.5 million and \$25.9 million of goodwill, respectively, was impaired. Accordingly, we recorded an impairment charge of \$57.4 million in the fourth quarter of 2002. Factors contributing to the impairment charge were a longer than anticipated timeframe in developing the new Digital Angel technology for the Wireless and Monitoring reporting unit and a change in business focus for the Medical Systems reporting unit. We will assess the fair value of our goodwill annually or more frequently if events occur or circumstances change that would more likely than not reduce the fair value of our goodwill below its carrying value. These events or circumstances would include a significant change in business climate, including a significant, sustained decline in an entity's market value, legal factors, operating performance indicators, competition, sale or disposition of a significant portion of the business, or other factors. If we determine that significant impairment has occurred, we would be required to write off the impaired portion of goodwill. Impairment charges could have a material adverse effect on our financial condition and results of operations.

### **The exercise of outstanding options and warrants may adversely affect the market price of our common stock.**

As of June 30, 2003, we had options and warrants outstanding to purchase from us a total of 8,552,000 shares of common stock at exercise prices ranging from \$0.05 to \$10.50 per share, with a weighted average exercise price of \$1.64. In addition, as of June 30, 2003, we had 2,545,000 additional shares of common stock which may be issued in the future under our stock option plans. The exercise of outstanding options and warrants and the sale in the public market of the shares purchased upon such exercise may adversely affect the market price of our common stock.

### **We may continue to incur losses.**

We incurred net losses of \$92.4 million in the year ended December 31, 2002, \$17.4 million in 2001, \$3.9 million in 2000 and \$2.3 million in the six month period ended June 30, 2003. No assurance can be given as to whether we will achieve profitability, if at all. Profitability depends on many factors, including the success of marketing programs, the maintenance and reduction of expenses, and the ability to coordinate successfully the operations of our business units. If we fail to achieve and maintain sufficient profitability within the time frame expected by investors, the market price of our common stock may be adversely affected.

### **The Wireless and Monitoring segment is expected to incur future losses and may not achieve profitability.**

We have invested approximately \$14.0 million in the Digital Angel product for the period from April 1998 through June 30, 2003. We expect the Wireless and Monitoring segment to incur additional development, sales and marketing, and other general expenses. As a result, the Wireless and Monitoring segment is expected to incur losses for the foreseeable future and will need to generate significant revenues to achieve profitability. There can be no assurance that the segment will achieve profitability or, if profitability is achieved, that it will be sustained. The Wireless and Monitoring segment's failure to achieve or sustain profitability would have a material adverse effect on the market value of our common stock.

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### **The Wireless and Monitoring segment is the initial stage of operations and may encounter unforeseen difficulties that could negatively affect our business.**

The Wireless and Monitoring segment is in the initial stage of operations and has generated no substantial revenue. As a result, it has minimal operating history upon which to base an evaluation of its current business and future prospects. Moreover, this segment does not currently have any contracts in place that will provide any significant revenue. Because of this segment's lack of an operating history, management has limited insight into trends that may emerge and could materially adversely affect its business. This segment's prospects must be considered in light of the risks, expenses and difficulties frequently encountered by companies in new and rapidly evolving markets. This segment could encounter risks including, but not limited to, the risk that the Wireless and Monitoring segment will be unable to:

develop and market Digital Angel products by integrating and miniaturizing new technologies into marketable products and services;

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build a customer base;

generate revenues;

compete successfully in a highly competitive market;

access sufficient capital to support growth;

recruit and retain qualified employees;

introduce new products and services; and

build technology and support systems.

Each of these risks could lead to unforeseen expenses or losses, which could have a material adverse effect on our financial condition and results of operations.

### **The Digital Angel technology is not proven, and we may not be able to develop products from this unproven technology.**

The Wireless and Monitoring segment depends on the development, integration, miniaturization and successful marketing of several advanced technologies that have not previously been integrated or used as anticipated by this segment. The Wireless and Monitoring segment depends upon advanced technology, including wireless communication, biosensors, motion determination and global positioning system capabilities. Many of these technologies are unproven or relatively new. No assurances can be given as to when or if the Digital Angel product will be successfully marketed. Our ability to develop and commercialize products based on our proprietary technology will depend on our ability to develop our products internally on a timely basis or to enter into arrangements with third parties to provide these functions. Our failure to develop and commercialize products successfully could have a material adverse effect on our financial condition and results of operations.

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### **Infringement by third parties on our intellectual property or the development of substantially equivalent proprietary technology by our competitors could negatively affect our business.**

Our success depends significantly on our ability to maintain patent and trade secret protection, to obtain future patents and licenses, and to operate without infringing on the proprietary rights of third parties. There can be no assurance that the measures we have taken to protect our intellectual property, including those relating to the Digital Angel technology, will prevent the misappropriation or circumvention of our intellectual property. In addition, there can be no assurance that any patent application, when filed, will result in an issued patent, or that our existing patents, or any patents that may be issued in the future, will provide us with significant protection against competitors. Moreover, there can be no assurance that any patents issued to or licensed by us will not be infringed upon or circumvented by 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. We also rely to a lesser extent on unpatented proprietary technology, and no assurance can be given that others will not independently develop substantially equivalent proprietary information, techniques or processes or that we can meaningfully protect our rights to such unpatented proprietary technology. Infringement on our intellectual property or the development of substantially equivalent technology by our competitors could have a material adverse effect on our business.

### **Domestic and foreign government regulation and other factors could impair our ability to develop and sell our products in certain markets.**

The electronic animal identification market can be negatively affected by such factors as food safety concerns, consumer perceptions regarding cost and efficacy, international technology standards, national infrastructures, and slaughterhouse removal of microchips.



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We are also subject to federal, state and local regulation in the United States, including regulation by the U.S. Food and Drug Administration, the U.S. Federal Communications Commission, and the U.S. Department of Agriculture, and to regulation in other countries. We cannot predict the extent to which we may be affected by further legislative and regulatory developments concerning our products and markets. We are required to obtain regulatory approval before marketing most of our products. The regulatory process can be very time-consuming and costly, and there is no assurance that we will receive the regulatory approvals necessary to sell our products. Regulatory authorities also have the authority to revoke approval of previously approved products for cause, to request recalls of products and to close manufacturing plants in response to violations. Any such regulatory action, including the failure to obtain such approval, could prevent us from selling, or materially impair our ability to sell, our products in certain markets and could negatively affect our business.

### **We rely heavily on sales to government contractors of our animal identification products, and any decline in the demand by these customers for our products could negatively affect our business.**

The principal customers for electronic identification devices for fish are government contractors that rely on funding from the United States government. Because these contractors rely heavily on government funds, any decline in the availability of such funds could result in a decreased demand by these contractors for our products. In addition, our GPS and Radio Communications segment is heavily dependent on contracts with domestic government agencies and foreign governments, including the United Kingdom, primarily relating to military applications. Any decrease in demand by such customers could have a material adverse effect on our financial condition and results of operations and result in a decline in the market value of our common stock.

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### **We depend on a single production arrangement for our patented syringe-injectable microchips, and the loss of or any significant reduction in the production could have an adverse effect on our business.**

We rely solely on a production arrangement with Raytheon Corporation for the manufacture of our patented syringe-injectable microchips that are used in all of our implantable electronic identification products. Raytheon utilizes our proprietary technology and our equipment in the production of our syringe-injectable microchips. The termination, or any significant reduction, by Raytheon of the assembly of our microchips or a material increase in the price charged by Raytheon for the assembly of our microchips could have an adverse effect on our financial condition and results of operations. In addition, Raytheon may not be able to produce sufficient quantities of the microchips to meet any significant increased demand for our products or to meet any such demand on a timely basis. Any inability or unwillingness of Raytheon to meet our demand for microchips would require us to utilize an alternative production arrangement and remove our automated assembly production machinery from the Raytheon facility, which would be costly and could delay production. Moreover, if Raytheon terminates our production arrangement, we cannot assure that the assembly of our microchips from another source would be on comparable or acceptable terms. The failure to make such an alternative production arrangement could have an adverse effect on our business.

### **We depend on principal customers.**

For the six-month period ended June 30, 2003, four customers—Schering Plough Pharmaceutical (10.2%), Pacific States Marine (7.6%), Biomark, Inc. (7.2%), and Merial Pharmaceutical (6.7%)—together accounted for 31.7% of our consolidated revenues. For the year ended December 31, 2002, Schering Plough Pharmaceutical (9.2%), the US Army Corps of Engineers (8.1%), Biomark, Inc. (5.1%), Pacific States Marine (4.9%) and San Bernadino County (3.5%), together accounted for 30.8% of our consolidated revenue. The loss of, or a significant reduction in, orders from these or our other major customers could have a material adverse effect on our financial condition and results of operations.

### **We compete with other companies in the visual and electronic identification market, and the products sold by our competitors could become more popular than our products or render our products obsolete.**

The market for visual and electronic identification for companion animals and livestock is highly competitive. We believe that our principal competitors in the visual identification market for livestock are AllFlex USA and Y-Tex Corporation, and that our principal competitors in the electronic identification market that have developed permanent electronic identification devices for the companion animal market are AllFlex USA, Datamars SA and Avid Plc. Neither Datamars nor Avid has been granted a United States license to use implantable technology.

In addition, other companies could enter this line of business in the future. Certain of our competitors have substantially greater financial and other resources than us. We may not be able to compete successfully with these competitors, and these competitors may develop or market technologies and products that are more widely accepted than ours or that would render our products obsolete or noncompetitive. We are not aware of any other competitors currently marketing products that would compete with the Digital Angel product. However, we are aware of several potential competitors that have expressed an interest in similar technologies. We are unaware of any actual sales of a competing product.

If such competitors enter the market and compete with the Digital Angel product, such competition could have a material adverse effect on our business.

**We are subject to risks as a result of our foreign operations.**

We maintain operations outside of the United States, which subjects us to risks that are inherent in international operations, including the risk that:

it may be more difficult to enforce agreements and collect receivables through many foreign legal systems;

foreign customers may have longer payment cycles than customers in the United States;

tax rates in some foreign countries may exceed those in the United States, and foreign earnings may be subject to withholding requirements or the imposition of tariffs, exchange controls or other restrictions;

general economic and political conditions in countries where we operate may have an adverse effect on our operations or other presence in those countries;

the difficulties associated with managing a large organization spread throughout various countries may adversely affect our business in those countries; and

required compliance with a variety of foreign laws and regulations may prove onerous and adversely affect our operations abroad.

The success of any expansion of our business globally will depend, in part, on our ability to anticipate and effectively manage these and other risks. These and other factors may have a material adverse effect on our international operations or our business as a whole.

**Currency exchange rate fluctuations could have an adverse effect on our sales and financial results.**

We generate a portion of our sales and incur a portion of our expenses in currencies other than U.S. dollars. To the extent that we are unable to match revenues received in foreign currencies with costs paid in the same currency, exchange rate fluctuations in any such currency could have an adverse effect on our financial results.

**We depend on a small team of senior management, and we may have difficulty attracting and retaining additional personnel.**

Our future success will depend in large part upon the continued services and performance of senior management and other key personnel. If we lose the services of any member of our senior management team, our overall operations could be materially and adversely affected. In addition, our future success will depend on our ability to identify, attract, hire, train, retain and motivate other highly skilled technical, managerial, marketing, purchasing and customer service personnel when they are needed. Competition for these individuals is intense. We cannot ensure that we will be able to successfully attract, integrate or retain sufficiently qualified personnel when the need arises. Any failure to attract and retain the necessary technical, managerial, marketing, purchasing and customer service personnel could have a material adverse effect on our financial condition and results of operations. We have employment agreements with certain key personnel.

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This prospectus, any prospectus supplement and the information incorporated by reference may contain "forward-looking statements" which represent our expectations or beliefs including, but not limited to, statements concerning industry performance and our results, operations, performance, financial condition, plans, growth and strategies, which include, without limitation, statements preceded or followed by or that include the words "may," "will," "expect," "anticipate," "intend," "could," "estimate," or "continue" or the negative or other variations thereof or comparable terminology. Any statements contained in this prospectus, any prospectus supplement or the information incorporated by reference that are not statements of historical fact may be deemed to be forward-looking statements. These statements by their nature involve substantial risks and uncertainties, some of which are beyond our control, and actual results may differ materially depending on a variety of important factors, many of which are also beyond our control. You should not place undue reliance on these forward-looking statements, which speak only as of the date of this prospectus. We do not undertake any obligation to update or release any revisions to these forward-looking statements to reflect events or circumstances after the date of this prospectus or to reflect the occurrence of unanticipated events, except to the extent such updates and/or revisions are required to prevent these forward-looking statements from being materially false or misleading.

### USE OF PROCEEDS

All net proceeds from the sale of our common stock will go to the selling stockholders selling common stock under this prospectus. We will not receive any proceeds from the sale of the common stock sold by the selling stockholders.

### SELLING STOCKHOLDERS

The following table provides certain information regarding the selling stockholders' beneficial ownership of our common stock prior to and after the offering. Beneficial ownership is determined under the rules of the United States Securities and Exchange Commission, and generally includes voting or investment power with respect to securities.

Selling Stockholder	Number of Shares Owned Prior to The Offering	Number of Shares Being Offered For Sale	Number of Shares Owned After the Offering	Percentage of Class
Richard J. Sullivan(1)	937,500	937,500	0	0%
Garret A. Sullivan	468,750	468,750	0	0%
Evan McKeown(2)	30,469	30,469	0	0%
IBM Credit Corporation	1,163,906(3)	1,163,906	0	0%
Applied Digital Solutions	19,600,000(4)	19,600,000	0	0%
Brett Thaxton	60,000	60,000	0	0%
Redington, Inc.	50,000(5)	50,000	0	0%

- (1) Mr. Sullivan is Chairman of our board of directors.
- (2) Mr. McKeown is Vice President and Chief Financial Officer of Applied Digital Solutions, our affiliate.
- (3) Represents a warrant to purchase 1,163,906 shares of our common stock at \$1.067 per share, which is exercisable for five years beginning April 5, 2002.
- (4) Represents shares beneficially owned by Applied Digital Solutions, Inc. of which 15,000,000 shares are held in the Digital Angel Share Trust as collateral for Applied Digital Solutions' obligations under its 8.5% Convertible Exchangeable Debentures.
- (5) Represents a warrant to purchase 50,000 shares at \$3.60 per share, which is exercisable for five years beginning June 27, 2002.

**PLAN OF DISTRIBUTION**

The selling stockholders or their pledgees, donees, transferees or other successors in interest may, from time to time, sell all or a portion of the shares at fixed prices that may be changed, at market prices prevailing at the time of sale, at prices related to such market prices or at negotiated prices. After the date of this prospectus, the selling stockholders may offer its shares at various times in one or more of the following transactions:

on any national securities exchange, or other market on which our common stock may be listed at the time of sale;

in the over-the-counter market;

through block trades in which the broker or dealer so engaged will attempt to sell the shares as agent, but may position and resell a portion of the block as principal to facilitate the transaction;

through purchases by a broker or dealer as principal and resale by such broker or dealer for its account pursuant to this prospectus;

in ordinary brokerage transactions and transactions in which the broker solicits purchasers;

through options, swaps or derivatives;

in privately negotiated transactions;

in transactions to cover short sales; and

through a combination of any such methods of sale.

In addition, the selling stockholders may also sell their shares that qualify for sale pursuant to Rule 144 under the Securities Act of 1933 under the terms of such rule rather than pursuant to this prospectus.

The selling stockholders may sell their shares directly to purchasers or may use brokers, dealers, underwriters or agents to sell their shares upon terms and conditions that will be described in the applicable prospectus supplement. In effecting sales, brokers and dealers engaged by the selling stockholders may arrange for other brokers or dealers to participate. Brokers or dealers may receive commissions, discounts or concessions from the selling stockholders or, if any such broker-dealer acts as agent for the purchaser of such shares, from such purchaser in amounts to be negotiated. Such compensation may, but is not expected to, exceed that which is customary for the types of transactions involved. Broker-dealers may agree with a selling stockholder to sell a specified number of such shares at a stipulated price per share, and, to the extent such broker-dealer is unable to do so acting as agent for a selling stockholder, to purchase as principal any unsold shares at the price required to fulfill the broker-dealer commitment to a selling stockholder. Broker-dealers who acquire shares as principal may thereafter resell such shares from time to time in transactions, which may involve block transactions and sales to and through other broker-dealers, including transactions of the nature described above, in the over-the-counter market or otherwise at prices and on terms then prevailing at the time of sale, at prices then related to the then-current market price or in negotiated transactions. In connection with such resales, broker-dealers may pay to or receive from the purchasers of such shares commissions as described above.

The selling stockholders and any broker-dealers or agents that participate with the selling stockholder in sales of the shares may be deemed to be "underwriters" within the meaning of the Securities Act of 1933 in connection with such sales. In such event, any commissions received by such broker-dealers or agents and any profit on the resale of the shares purchased by them may be deemed to be underwriting commissions or discounts under the Securities Act of 1933.

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From time to time, the selling stockholders may be engaged in short sales, short sales against the box, puts and calls and other hedging transactions in our securities, and may sell and deliver the shares in connection with such transactions or in settlement of securities loans. These transactions may be entered into with broker-dealers or financial institutions. In addition, from time to time, the selling stockholders may pledge their shares pursuant to the margin provisions of its customer agreements with their broker-dealer. Upon delivery of the shares or a default by the selling stockholder, the broker-dealer or financial institution may offer and sell the pledged shares from time to time.

We are required to pay the majority of the fees and expenses incident to the registration of our common stock hereunder. Additionally, we have agreed to indemnify the selling stockholders against certain losses, claims, damages and liabilities, including liabilities under the Securities Act of 1933.

### EXPERTS

The consolidated financial statements of Digital Angel Corporation incorporated in this prospectus by reference to the Annual Report on Form 10-K for the year ended December 31, 2002 have been audited by Eisner LLP, independent auditors, and have been so incorporated in reliance on the report (which contains explanatory paragraphs relating to substantial doubt about our ability to continue as a going concern as described in Notes 1 and 2 to the financial statements) of such firm given upon their authority as experts in accounting and auditing.

The financial statements as of December 31, 2001 and for each of the two years in the period ended December 31, 2001 incorporated in this Prospectus by reference to the Annual Report on Form 10-K for the year ended December 31, 2002 have been so incorporated in reliance on the report (which contains an explanatory paragraph relating to the Company's ability to continue as a going concern as described in Note 1 to the financial statements) of PricewaterhouseCoopers LLP, independent accountants, given on the authority of said firm as experts in auditing and accounting.

### LEGAL MATTERS

An opinion has been rendered by the law firm of Winthrop & Weinstine, P.A. to the effect that the shares of our common stock offered by the selling stockholder under this prospectus are legally issued, fully paid and non-assessable.

### INFORMATION INCORPORATED BY REFERENCE

The SEC allows us to incorporate by reference the information we file with the SEC, which means that we can disclose important information to you by referring to another document filed separately with the SEC. The information that we file with the SEC after the date of this prospectus will automatically update and supersede this information. We incorporate by reference into this prospectus the documents listed below and any filings we make with the SEC under sections 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934, as amended, after the date of this prospectus and until all of the shares of our common stock offered by this prospectus are sold.

Annual Report on Form 10-K for the year ended December 31, 2002, filed on March 31, 2003;

Quarterly Report on Form 10-Q for the quarter ended March 31, 2003, filed on May 8, 2003;

Quarterly Report on Form 10-Q for the quarter ended June 30, 2003, filed on August 14, 2003;

Current Report on Form 8-K filed August 8, 2003;

Current Report on Form 8-K filed August 18, 2003 reporting the Item 5 information;

Current Report on Form 8-K filed September 3, 2003;

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Current Report on Form 8-K filed September 4, 2003;

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Current Report on Form 8-K filed September 23, 2003;

Definitive Proxy Statement on Schedule 14A filed on April 17, 2003; and

The description of our common stock contained in our registration statement on Form 8-A filed on August 13, 1999.

Any statement contained in a document incorporated or considered to be incorporated by reference into this prospectus shall be considered to be modified or superseded for purposes of this prospectus to the extent that a statement contained in this prospectus or in any subsequently filed document that is or is considered to be incorporated by reference modifies or supersedes such statement. Any statement that is modified or superseded shall not, except as so modified or superseded, constitute a part of this prospectus.

You may request a copy of any of the documents that are incorporated by reference into this prospectus, other than exhibits that are not specifically incorporated by reference into such documents, and our certificate of incorporation and bylaws, at no cost, by writing or telephoning us at the following address:

Corporate Secretary  
Digital Angel Corporation  
490 Villaume Avenue  
South St. Paul, MN 55075  
(651) 455-1621

### WHERE YOU CAN FIND MORE INFORMATION

We are subject to the informational requirements of the Securities Exchange Act of 1934 pursuant to which we file reports and other information with the SEC. These reports and other information may be inspected and copied at public reference facilities maintained by the SEC at Room 1024, Judiciary Plaza, 450 Fifth Street, N.W., Washington, D.C. 20549 and at the SEC's Regional Office at Citicorp Center, 500 West Madison Street, Suite 1400, Chicago, Illinois 60661. Copies may be obtained at prescribed rates from the Public Reference Section of the SEC at its principal office in Washington, D.C. The SEC also maintains an internet web site that contains periodic and other reports, proxy and information statements and other information regarding registrants, including us, that file electronically with the SEC. The address of the SEC's web site is <http://www.sec.gov>.

All information concerning us contained in this prospectus has been furnished by us. No person is authorized to make any representation with respect to the matters described in this prospectus other than those contained in this prospectus and if given or made must not be relied upon as having been authorized by us or any other person.

We have not authorized anyone to give any information or make any representation about our company that is different from, or in addition to, that contained in this prospectus. Therefore, if anyone gives you such information, you should not rely on it. You should not assume that the information contained in this document is accurate after the date of this prospectus unless the information specifically indicates that another date applies.

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### PART II

#### INFORMATION NOT REQUIRED IN PROSPECTUS

**Item 14. Other Expenses of Issuance and Distribution.**

The following table sets forth the expenses in connection with the issuance and distribution of the securities being registered, all of which are being borne by the registrant.

Securities and Exchange Commission Registration Fee	\$ 0(1)
Accounting Fees and Expenses	\$ 17,000
Legal Fees and Expenses	\$ 7,500
Printing Fees and Expenses	\$ 20,000
Miscellaneous	\$ 5,000
	<hr/>
Total	\$ 49,500
	<hr/>

- (1) Already paid upon filing of the Company's Registration Statement on Form S-1, which became effective on January 21, 2003.

**Item 15. Indemnification of Directors and Officers.**

Reference is made to Section 102(b)(7) of the Delaware General Corporation Law, which enables a corporation in its original certificate of incorporation or an amendment thereto to eliminate or limit the personal liability of a director for violations of the director's fiduciary duty, except (i) for any breach of the director's duty of loyalty to the corporation or its stockholders, (ii) for acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law, (iii) pursuant to Section 174 of the Delaware General Corporation Law (providing for liability of directors for the unlawful payment of dividends or unlawful stock purchases or redemptions), or (iv) for any transaction from which a director derived an improper personal benefit. Section 145 of the Delaware General Corporation Law empowers Digital Angel Corporation to indemnify, subject to the standards set forth therein, any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative by reason of the fact that the person is or was a director, officer, employee or agent of Digital Angel Corporation, or is or was serving as such with respect to another entity at the request of Digital Angel Corporation. The Delaware General Corporation Law also permits Digital Angel Corporation to purchase insurance on behalf of any such director, officer, employee or agent. Digital Angel Corporation's restated certificate of incorporation, as amended, provides in effect for the elimination of the personal liability of Digital Angel Corporation's directors for breaches of fiduciary duty and for the indemnification by Digital Angel Corporation of each director and officer of Digital Angel Corporation, in each case to the fullest extent permitted by applicable law. Digital Angel Corporation purchases and maintains insurance on behalf of any person who is or was a director, officer, employee or agent of Digital Angel Corporation, or is or was serving at the request of Digital Angel Corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, Digital Angel Share Trust, employee benefit plan or other enterprise against any liability asserted against him or her and incurred by him or her in any such capacity, or arising out of his or her status as such, whether or not Digital Angel Corporation would have the power or the obligation to indemnify him or her against such liability under the provisions of Digital Angel Corporation's restated certificate of incorporation.

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Inssofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers or persons controlling the registrant pursuant to the foregoing provisions, the registrant has been informed that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is therefore unenforceable

**Item 16. Exhibits.**

Exhibit Number	Description of Exhibits
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3.1	Amended and Restated Articles of Incorporation (incorporated by reference to our Registration

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Exhibit Number	Description of Exhibits
	Statements on Form S-18 (No. 2-98314) filed on June 7, 1985 and our Annual Report on Form 10-KSB filed on March 28, 1990)
3.2	Bylaws (incorporated by reference to our Registration Statement on Form S-18 (No. 2-98314) filed on June 7, 1985)
5.1	Opinion of Winthrop & Weinstine, P.A. as to the validity of the issuance of the common stock of Digital Angel Corporation being registered
23.1	Consent of Eisner LLP relating to the financial statements of Digital Angel Corporation
23.2	Consent of PricewaterhouseCoopers relating to the financial statements of the Advanced Wireless Group
23.3	Consent of Winthrop & Weinstine (included in Exhibit 5.1)
24	Power of Attorney (included on signature page)

### Item 17. Undertakings

The undersigned registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(a)

To include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;

(b)

To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Securities and Exchange Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement; and

(c)

To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

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provided, however, that paragraphs (1)(a) and (1)(b) shall not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in periodic reports filed with or furnished to the Securities and Exchange Commission by the registrant pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the registration statement.

(2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.



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The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Securities Act of 1933 and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act of 1933 and will be governed by the final adjudication of such issue.

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SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, Digital Angel Corporation has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of South St. Paul, State of Minnesota, on the 24<sup>th</sup> day of October, 2003.

DIGITAL ANGEL CORPORATION

By: /s/ Kevin H. McLaughlin

Kevin H. McLaughlin  
President and Chief Executive Officer

KNOW ALL MEN BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Kevin H. McLaughlin and James P. Santelli, or either of them, his true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for him and in his name, place and stead, in any and all capacities, to sign any and all post-effective amendments to this registration statement, and to file the same with all exhibits hereto, and other documents in connection herewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite or necessary to be done in and about the premises, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or any of them, or their or his substitutes may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed on October 24, 2003 by the following persons in the capacities indicated below.

Signature	Title
<u>/s/ Kevin H. McLaughlin</u>	
Kevin H. McLaughlin	President, Chief Executive Officer and Director (Principal Executive Officer)
<u>/s/ James P. Santelli</u>	
James P. Santelli	Vice President Finance and Chief Financial Officer (Principal Financial and Accounting Officer)
<u>/s/ Richard J. Sullivan</u>	
Richard J. Sullivan	Director

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<b>Signature</b>	<b>Title</b>
<hr/> /s/ Kenneth D. Larson <hr/> Kenneth D. Larson	Director
<hr/> /s/ Howard S. Weintraub, Ph.D. <hr/> Howard S. Weintraub	Director
<hr/> /s/ Scott R. Silverman <hr/> Scott R. Silverman	Director
<hr/> /s/ Michael S. Zarriello <hr/> Michael S. Zarriello	Director

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**EXHIBIT INDEX**

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