

PCS WIRELESS, INC.

A LEADER IN THE

WIRELESS REVOLUTION

PCS Wireless, Inc. is a world leader in wireless communications. We've developed a series of proprietary, pioneering technologies that have been patented in more than 25 countries. And we continue to look for other ways we can help improve the way the world communicates.

The next wave of wireless telephone service is Personal Communications Services, or PCS. At present, PCS utilizes inexpensive handsets that provide excellent voice service. Eventually, PCS networks will also carry fax and data communications services — anywhere, anytime.

PCS will revolutionize telecommunications. As with the emergence of conventional cellular in the 1980s, PCS is expected to experience explosive worldwide growth. The Federal Communications Commission, for example, projects 60 million PCS subscribers in the U.S. alone by the end of this decade.^{*}

PCS Wireless, Inc. is poised to capitalize on wide acceptance of this new technology. Our products dramatically improve the performance of wireless telephone networks and drastically reduce the cost of their deployment and operation. Projections of a robust PCS market are based in part on powerful consumer appeal. PCS handsets are smaller, lighter and less expensive than conventional cellular phones, and have a significantly longer use time — up to eight hours, in most cases. PCS handsets also provide digital voice quality.

The multiple advantages of this new generation of wireless communications arise directly from microcell technology. While conventional cellular networks use relatively powerful transmitters to relay signals across cells that cover a large area, PCS coverage is broken into much smaller microcells. Since callers are closer to "microcell" transmitters, the handsets don't require a signal as powerful as those needed by cellular phones. This low power requirement is the basis for the clear cost and performance edge of a PCS handset. PCS microcells also provide almost unlimited capacity for voice and data transmission, transcending the limitations inherent in conventional cellular technology.

That's why PCS is revolutionizing the telecommunications industry.

*Telelocator projects more than 50 million PCS subscribers in the next 10 years, Telecommunications Report, June 1, 1992.

"THIS NEW FORM OF CELLULAR

COMMUNICATIONS . . .

PROMISES TO BRING WIRELESS

CALLING TO THE MASSES"

Business Week



TOMORROW'S

TECHNOLOGY

AVAILABLE TODAY

PCS Wireless, Inc.'s patent-allowed and patent-applied-for technologies allow suppliers of personal communications services to significantly reduce the cost of deploying and operating their networks. Reductions range from a low of 20 per cent to over 75 per cent. These economies are unmatched by any other technologies currently available.



The PCS Wireless, Inc. advantage is our proprietary Distributed Antenna

Array (DAA) technology. DAAs make it possible to combine the advantages of conventional cellular — i.e., wideroaming and vehicular mobility — with those of microcells, including low-power handsets and frequency re-use. The result is an optimal mix that substantially improves the economies of PCS, whether using telephone, fiber optic or cable TV lines. With its proprietary



DAA technology, PCS Wireless successfully demonstrated the first PCS phone network

that provided true vehicular mobility using existing cable TV networks. With more than 80 per cent of the homes in North America connected to cable TV networks, PCS Wireless technology is well-positioned to be a pivotal link in cable TV based wireless networks. Even more significantly, the Company's proprietary DAA technology provides efficient, affordable wireless networks in countries with limited or non-existent wireline telephone systems. From its inception in 1990, PCS Wireless, Inc. recognized the enormous opportunities offered by DAA technology. Our research and development efforts were focused accordingly. Consequently, the company's proprietary and pioneering DAA technology was first to market. Equally important, PCS Wireless has achieved the critical mass of technological expertise, strategic direction and financial strength required to preserve, protect and expand its leadership position in an industry of enormous potential especially as the industry prepares to enter its most explosive phase of growth.

THE BASICS OF DAA

tially a group of small antennas that provide a low-power PCS base station to cover a much existing capacity to be used more effectively,





GLOBAL WIRELESS COMMUNITY

PCS Wireless Proprietary Distributed Antenna Array Technology finds applications in a diverse range of business, industrial and residential personal communications networks.

. DAA components form a "simulcast" antenna, essenverage equal to a single, much larger antenna. This allows a arger area than would otherwise be possible. It also allows / spreading it over a larger area.

PCS WIRELESS, INC.

Regardless of which markets thrive in the next wave of wireless communications, there will be a need for PCS Wireless' products.

PCS Wireless' products already serve a diverse range of industries, as well as multiple markets within those industries. Our products work with both existing and new wireless communications service providers, whether in office complexes, hospitals, factories, mines, airports or shopping malls. They also work in wireless networks that serve as alternatives to standard wireline telephone service, and within both telephone and cable companies' existing networks.

In field trials of its products, the Company has worked with virtually every major telephone and cable company in the U.S., with international telecommunications firms, and with many of the world's leading wireless communications providers. It's helped us to develop close working relationships with the companies who are best positioned to capitalize on the next wave of wireless communications. Consequently, these relationships are a springboard for the Company to fully exploit emerging market opportunities. PCS Wireless is ready. The Company is committed to Total Quality Management in the manufacture of its pioneering products and has instituted the ISO 9000 certification process. Not surprisingly, PCS Wireless turned in an unparalleled performance in world field trials before beginning volume production. Today, clients on four continents are using the Company's products to deliver the freedom of "anytime, anywhere" wireless communications to their customers.

greatest in the Pacific Rim. In densely populated cities such as Hong Kong and Singapore, "anytime, anywhere" wireless communications are wildly popular with consumers of sophisticated telecommunications services. Wireless communication is also today's only affordable alternative to wireline service in rapidly developing countries with limited or non-existent telephone networks. There are millions of potential subscribers in Asia, Mexico, Central and South America and Eastern Europe. Further, only 10 per cent of China's more than one billion people have a phone. Wireless communication is the key to this untapped market.

The potential for PCS Wireless is



By dramatically improving the performance of wireless telephone

networks while drastically reducing the cost of deployment and operation, PCS Wireless, Inc.'s proprietary technologies are changing the way the world communicates. "PCS IS LIKELY TO BE A \$50 BILLION INDUSTRY BY THE CLOSE OF THE DECADE. THE SYSTEM WILL SERVE AS MANY AS 150 MILLION PEOPLE WORLDWIDE AND 60 MILLION PEOPLE IN THE UNITED STATES ... PCS WILL MAKE BUSINESS MORE PRODUCTIVE AND MORE REWARDING. IT WILL ENHANCE THE SECURITY OF INDIVIDUALS AND MAKE THEIR LIVES MORE SATISFYING, PCS WILL ENABLE POORER COUNTRIES TO OVERCOME WIRED INFRASTRUCTURE HANDICAPS AFFORDABLY AND EFFICIENTLY." IEEE Communications Magazine

PERFORMANCE ADVANTAGE: Distributed Antennas outperform macrocells for the same cost, when the macrocell structure matures towards high capability (e.g. local loop replacement PCS).

COST ADVANTAGE:

Distributed Antennas are lower cost for the same or better performance Markets: PCS networks, and wireless worksite networks.



WIRELESS RELATIVE MARKET PERFORMANCE

THE NEXT WAVE OF WIRELESS COMMUNICATIONS . . . PCS Wireless, Inc.'s proprietary technologies dramatically improve the performance of wireless telephone networks. They also drastically reduce the cost of deployment and operation. The next wave of wireless communications is already circling the world, and PCS Wireless, Inc. is a key part in its advance.

> THE NEXT DECADE WILL SEE THE EMERGENCE OF FORTUNES IN EVER-CHANGING TRANSMUTATIONS OF PCN, DIGITAL VIDEO, MULTIMEDIA AND WIRELESS COMPUTERS THAT DWARF THE YIELDS OF CABLE AND CELLULAR." Forbes Magazine



If as an interested party, investor or industry partner, you would appreciate more information, please call us . . .

PCS WIRELESS, INC. 200 GRANVILLE SQUARE VANCOUVER, B.C. CANADA T 604 689•7722 F 604 689•7745

