PCS WIRELESS, INC.

Changing the way the world communicates

Annual General Meeting Vancouver, B.C. - August 23, 1995

OVERVIEW

- o Our Distributed Antenna Array Technology
- υ Fiscal 1995 in Review
- **Unternational Activities**
- **UCDMA What Happened?**
- **Outlook and Projections**



FY '95 in Review: Highlights

- Sold \$1.4 million of MEX and BEX products to 11 customers in 7 different countries
- Completed successful field trials of RAD and RASP and sold \$300,000 of these products
- Positioned company for sales of RAD and RASP products into rollout of North American PCS networks
- Raised \$2.3 million through exercise of 5 million share purchase warrants

Company Performance - Financing

- υ Cash on hand February 28, 1995: \$116,132
- \$10.8 million Special Warrant Financing July 1995
- \$3.5 million exercise of warrants and share options March through June 1995
- Cash on hand August 23, 1995 in excess of \$11.5 million

The Wait for PCS is Over...

- New wireless systems offer secure voice / data in:
 - wide area mobility
 - business

AND

- residential service(i.e. LOCAL LOOP)
- PCS is here NOW



The REAL target of PCS

COVERAGE

Our Distributed Antenna

- Arrays
 Replace high power transmission towers
- Integrate Cable-TV and wireless networks
- Extend the reach of wireless service into buildings, tunnels, undergrounds and homes
- Help wireless network operators fulfill the promise of affordable, ubiquitous, advanced personal communications

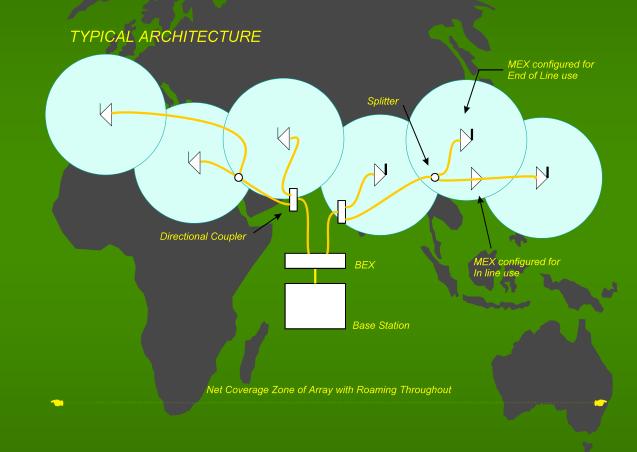
services

Operators

Subscribers

DAA Overview

- Networksof smart,low-powerrepeaters
- Centralized resources
- Minimizecosts





Activities in Canada

- Sep'94: Major CT2+ contract announced with Microcell 1-2-1
- Dec'94: Industry Canada announces PCS licensing process; Microcell 1-2-1 cancels CT2+ contract
- May'95: Renewed MoU with Microcell 1-2-1 for 1.9GHz products
- Dec'95: Industry Canada announces PCS license holders
- v 1996: Network rollout begins

Activities in Asia

- June'94: China Purchase of 5 CT-2 trial systems
 Operators: Guangzhou, Shenzhen, Shenvang,

 Wenzhou, Dalian
- Dec'94: Sale of additional CT-2 systems to China
- Jan'95: Extensive CT-2 trials underway in China
- o Aug'95:Sale of US\$560K of CT-2 MEX/BEX units
- v Sep'95: PCS Wireless holds seminar in China
- v Feb'96: PCS1900 systems expansion into Korea



Activities in Europe



- July'94 May'95: Sale of CT-2 BEX/MEX Trial Systems to France Telecom, Matra Communication and Dassault AT
- v Fall'95: GSM Cellular MEX trial in UK
- v Fall'95: Projected commercial sales of CT-2 system

Activities in the US



- Sep'94-Jun'95: Sale of prototype Platform RAD to Ericsson, Motorola, NorTel, AT&T, Nokia
- Mar'95: Major Supply Agreement with Motorola for Platform RAD units
- Apr'95: Major Supply Agreement with Ericsson for GSM Platform RAD units
- Jul'95: Sprint Telecommunication Venture (STV) selects CDMA technology

Activities in the US



- Aug'95: Ericsson GSM Supply Agreement cancelled
- Aug'95: Expected pre-production CDMA system marketing trials
- Nov/Dec'95: Major CDMA network vendors selected
- v Oct'95: Cellular MEX commercial trial
- υ Q1'96: CATV/CDMA network rollout begins

CDMA - Industry Situation

CDMA

- New technology
- **Untried**
- Made in America

GSM (Global)

- v Proven technology
- **D** Extensively tested
- v European

CDMA - Market Positioning

Ericsson

- υ No CDMA
- Must win time to market
- Spent significant \$\$\$
 attempting to secure STV
 contract

Nortel

Supplies both CDMA and GSM

T&TA

- **D** CDMA ONLY, NO GSM
- v Very confident in CDMA
- Have financing capability

Motorola

- Supplies both CDMA and GSM
- Switched trials to CDMA 4 months ago

Outlook and Projections: The US PCS Market

- υ 102 major licenses (MTA) issued
- Almost 500 additional basic licenses (BTA) due to be auctioned
- When all is said and done:
 - 6 new service providers everywhere in US
 - PLUS 2 existing cellular providers
 - PLUS several additional data and 2-way paging operators

Outlook and Projections: The US PCS Market

CDMA National Service

- PrimeCo + cellular backfill
- STV (over CATV, from scratch)
- NAW (from scratch)

PCS GSM National Service

- GO (from scratch)
- DCR (from scratch)

IS136 National Service

AT&T Wireless

+ cellular backfill

Others

- BellSouth (GSM)
- PacTel (GSM)
- WesternPCS (GSM)
- APC (GSM)

SUMMARY

- υ FY'96 was a building year
- We are well positioned to supply CATV based PCS systems (RADS) for BOTH GSM and CDMA
- We have over \$10 m cash on hand
- We have a superb development team
- We are diversifying our product line and expanding into new international markets

Overview

- υ PCS Wireless, Inc.
- Meeting Operator Challenges
- CablePATH RAD/RASP Overview
- υ New Project:
 - HomePATH 1.9GHz
 - MEX slaved to RAD
- CablePATH RAD/RASP Training
- **Other** issues

PCS Wireless, Inc.

- υ Who are we?
 - a Vancouver based, Canadian public company
 - a pioneer in Distributed Antenna Array technology since 1990
- What do we bring to the industry?
 - a fresh set of network deployment alternatives
 - efficient, low-cost indoor/outdoor wireless coverage deployment solutions

Meeting Operator Challenges

o Offer a new generation of wireless services:



Quickly

- Planning
- Buildout
- Marketing



Affordably

- Infrastructure
- Operations
- Subscriber



Creatively

- Distribution
- New markets
- Integration

The RF Delivery Factor

NETWORK SERVICES

art Call Handling gle Number vice Integration crete Billing

COVERAGE!
COVERAGE!

SUBSCRIBER DEVICES

Cheap Handsets
Longer Talk/StandB
Voice/Data Capable
Mixed Public/Private

•••

RF Delivery Alternatives

- **Conventional Distributed Base Stations**
- **Description** Passive Distributed Antennas
- Active Distributed Antennas

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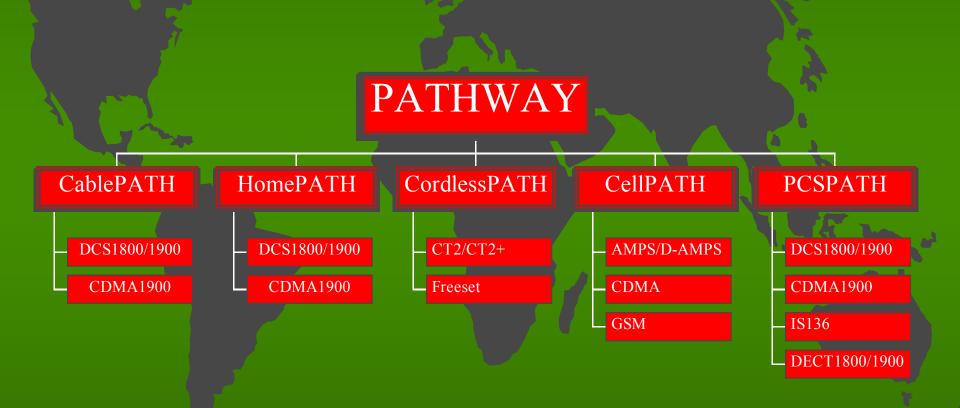
PASSIVE

PASSIVE

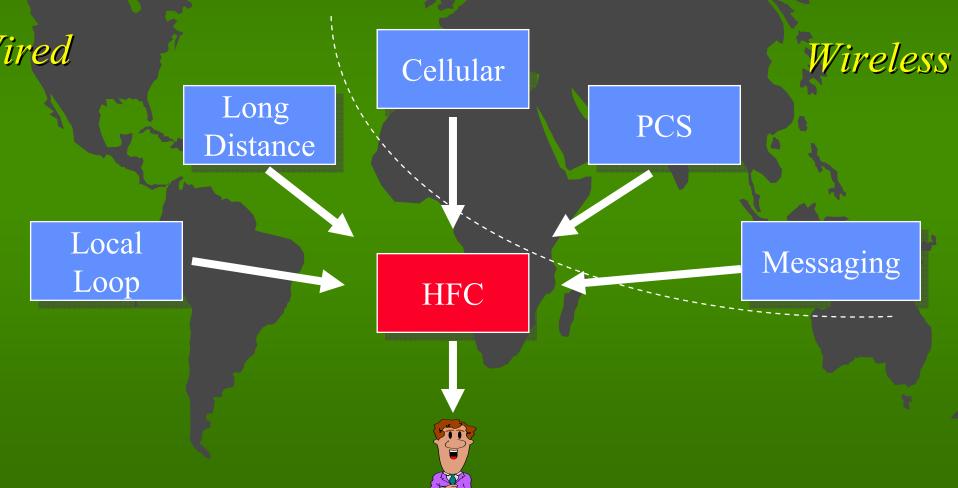
DISTRIBUTED BASE STATIONS



PCS Wireless Product Family

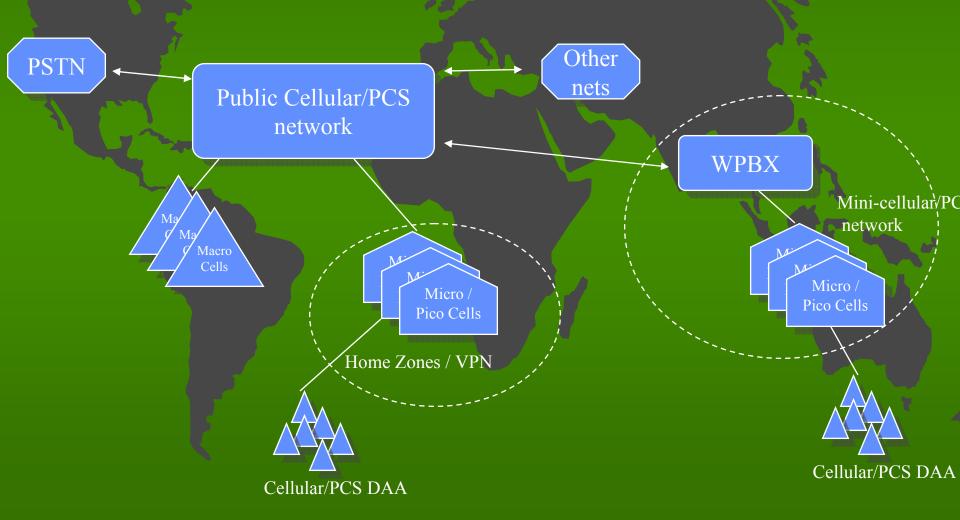


Network Convergence: The Hybrid Fiber Coax Factor



CablePATH RAD/RASP CablePATH cells PCS Network HFC/CATV Cells Network

CellPATH & PCSPATH Public/Private Application



PCSPATH 1.9GHz MEX

- Public and private market subnets slaved off a RAD acting as a "gateway"
- Uses dedicated coaxial cable. This allows multi-band, multi-vendor usages (e.g. mixed public 1.9GHz network with private 902 MHz networks).

Field Trials

United States

- Time Warner
- Satcom
- Cable Montana
- US West
- Pactel
- US CableLabs

- CATV CT-2 PCS Network
- MMDS PCS Network
- CATV PCS Network
- CT-2 PCS Network
- DCT900 Wireless PBX
- CATV PCS Network
- Multi-Standard RAD
- Cablevision Systems Corp Vehicular CATV PCS Network
- COX
- Adelphia
- Motorola/RTI
- Ericsson/COX
- Motorola/COX
- Northern Telecom/COX
- AT&T Network Systems
- Nokia

- CDMA CATV PCS Network
- CATV PCS Network
- Vehicular PCS Network
- DCS1900 CATV PCS Network
- DCS/CDMA 1900 CATV PCS Network
- DCS1900 CATV PCS Network
- CDMA1900 CATV PCS Network
- DCS1900 CATV PCS Network



- Hutchison
- Pacific Telelink
- Chevalier Telepoint
- Malaysia Telekom
- Singapore Telecom
- France Telecom

Public Area CT-2 MEX Networks

Hong Kong



Malaysia



Singapore



France



Current Sales

Regulatory Approvals Pending

Regulatory Approved

United States



DCT900 Ericsson Freeset In-Building MEX Network

- Telesis John MuirHospital
- Motorola DCS1900Platform RAD
- Ericsson DCS1900Platform RAD

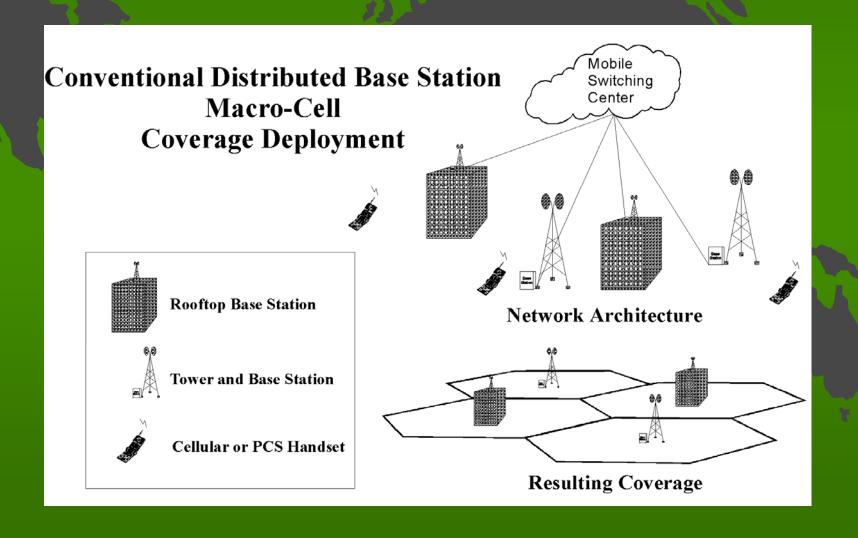
Public Area CT-2 MEX Networks

- Chinese CT-2
- Hutchison
- Vietnam/SteamersCommunications
- Telecom Australia (Telstra)

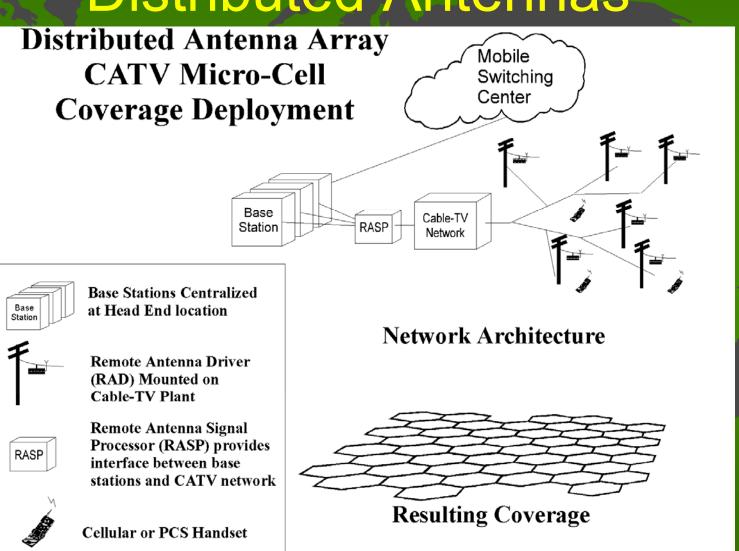




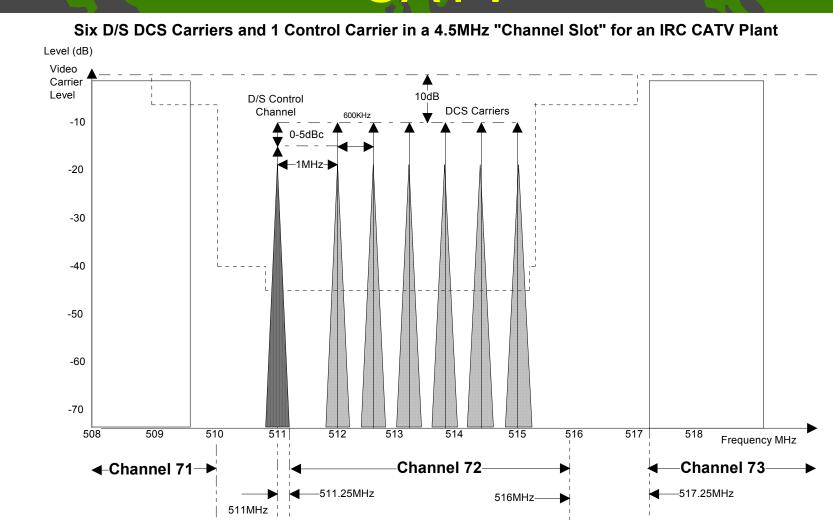
Distributed Base Stations



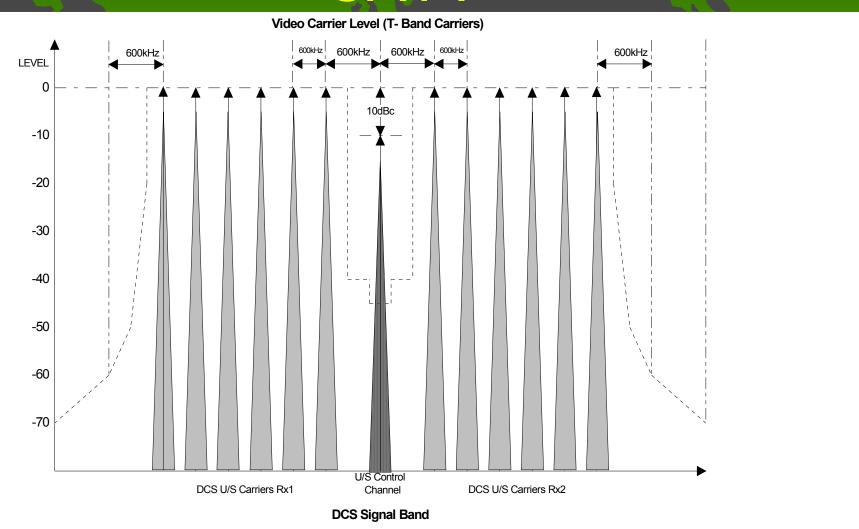
Distributed Antennas



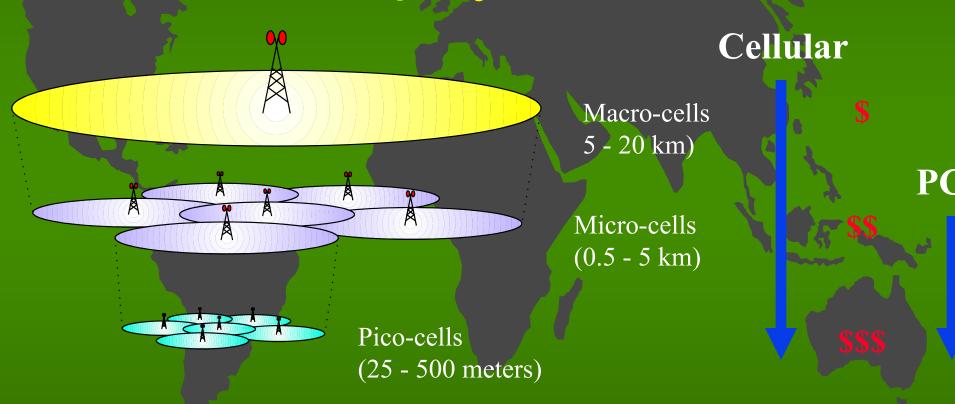
Typical DCS1900 Tx over CATV



Typical DCS1900 Rx over CATV



Conventional Coverage Deployment



Wireless Services Evolution

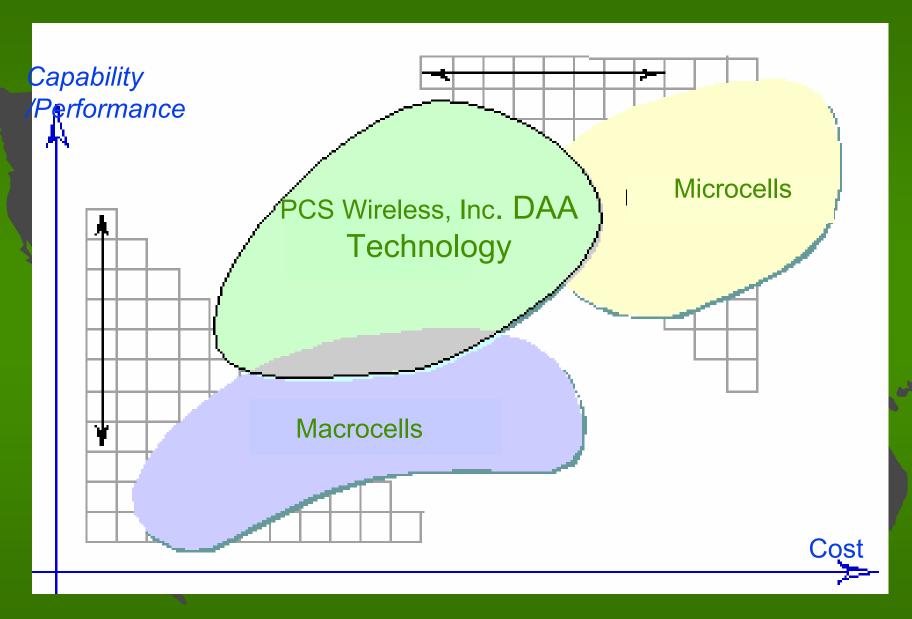
	70's	Cellular 80's	PCS 90's
chnology	Analog	Analog/Digital	Full digital
Mobility	_Limited	Vehicular	Vehicular/Pedestrian
Market	Residential	Business	Multiple
Capacity	Voice only	Voice, some data	Voice and data
Privacy	Unprotected	Unprotected	Complete
Cost	Low	High Way	Low/medium

"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 . . ."

- IEEE Communications

"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



Field Trials

Canada



- Rogers
- Canadian CableLabs
- Cantel
- BC Mobility
- Northern Telecom
- Ericsson
- Telezone
- Microcell 1-2-1

- World's First CATV Based PCS Ntwk
- CATV Network CT-2 RAD Trials
- Public Area CT-2 MEX Trials
- In-Building Wireless PBX MEX Trials
- CT-2+ Trials
- DCT900 Freeset Trials
- CT-2+ Public Network
- CT-2+ Public Network

Intellectual Property

- v Protection Mechanisms
- v Patents, Pending Patents
- v Trade Secrets
- v Copyrights
- υ Know-How

Key Operating Personnel

Ralph Scobie

Derek Spratt

Andrew Beasley

Paul Lancaster

Suresh Singh

Guylain Roy

President & CEO

Executive VP

VP Technology

VP Engineering

VP Operations

Director of Sales

Key Operating Personnel (Cont.)

Richard Topham

Evelyn Haines

Anthony Chu

Stephen Vandenbrink

Dean Schebel

Brad Kelly/Bob Ballam

Lewis Yu

Herman Van de Kerkoff Manufacturing Mgr

Paul Marcanto

Financial Controller

Office Administrator

Director of Quality

Project Manager - 900 MEX

Project Manager - All RAD

Project Managers - 1.9 MEX

Asia Sales Mgr

Service Supervisor

Board of Directors

Ralph Scobie

Derek Spratt

Don Sheldon

Todd Parker

Director

Director

Director

Outside Director

Finances: Capitalization Structure

- υ 20,500,000 issued and outstanding shares
- v 24,000,000 fully diluted
- Initial private placements for financing the business were handled by Canaccord and First Marathon
- Completed a \$7 Million financing in the last year for business operations/aquisition

Finances: 4 Year Proformas (000's)

7	1995	1996	1997	1998	Totals
Revenue	4,120	16,594	27,925	48,911	96,675
COGS	1,430	7,723	13,471	22,358	49,781
R&D	1,008	2,544	4,743	8,384	17,277
SG&A	2,680	4,863	6,469	9,702	22,805
Net Income	(998)	1,464	3,242	6,604	9,813