# Eurotech Group Introduction

bigital technology for a better world www.eurotech.com



03, 2008

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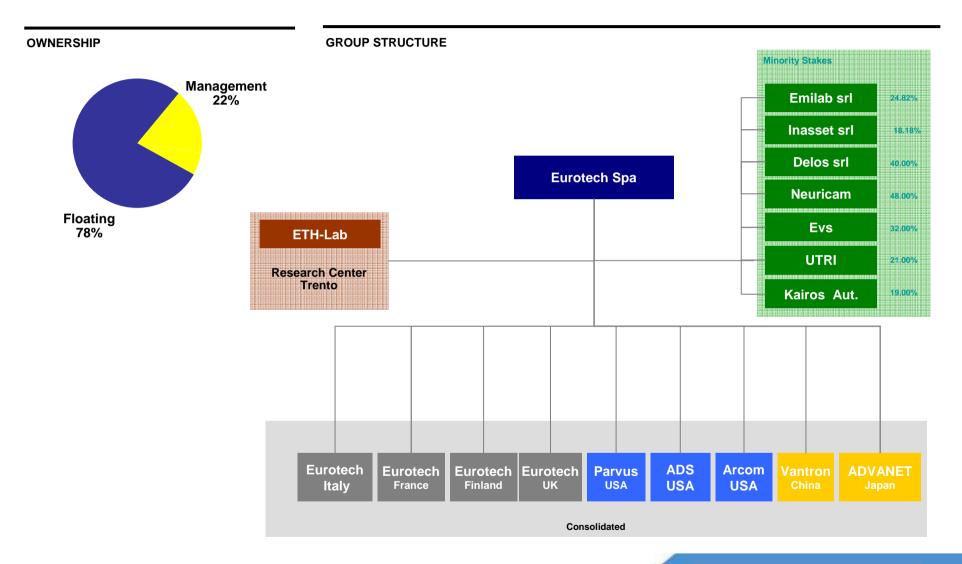
- (E) COMPANY OWERVIEW
- **PRODUCT PORFOLIO**
- **STRATEGY & FUTURE**
- **CONCLUSION**

## **Speakers:**

- ROBERTO SIAGRI PRESIDENT & CEO
- (E) MASSIMO MAURI VICE PRESIDENT

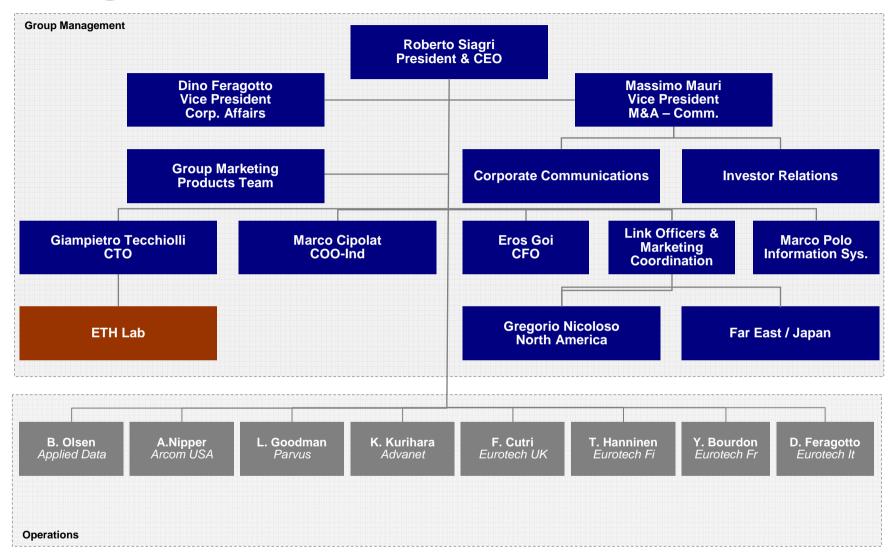


## **Ownership & Group Structure**





#### **Management Team**





#### **Geographic Footprint**

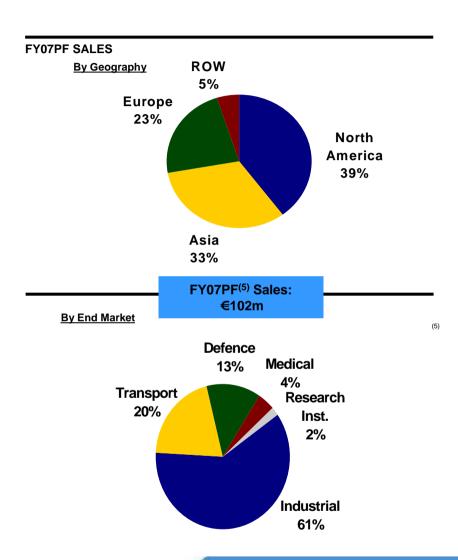
#### **Operations in Three Principal Markets (US, Europe and Asia)** ASIA USA Advanet Group, Japan Parvus, Utah (65.0%) Arcom, Kansas Vantron, China (65.0%) ADS, Maryland Asia FY07PF Sales: 33% US FY07PF Sales: 39% Headcount: 252 Headcount: 183 **Eurotech France** Eurotech s.p.a., Italy **EMPLOYEE BREAKDOWN BY** IPS, Italy **FUNCTION Eurotech Finland Function Employees** Eurotech UK Engineering R&D 242 Rest of the World Europe FY07PF Sales: 23% Headcount: 189 Operations 196 ROW FY07PF Sales: 5% Headcount 0 Sales 66 Marketing 23 General & Admin. 97 Total 624



#### **Overview**

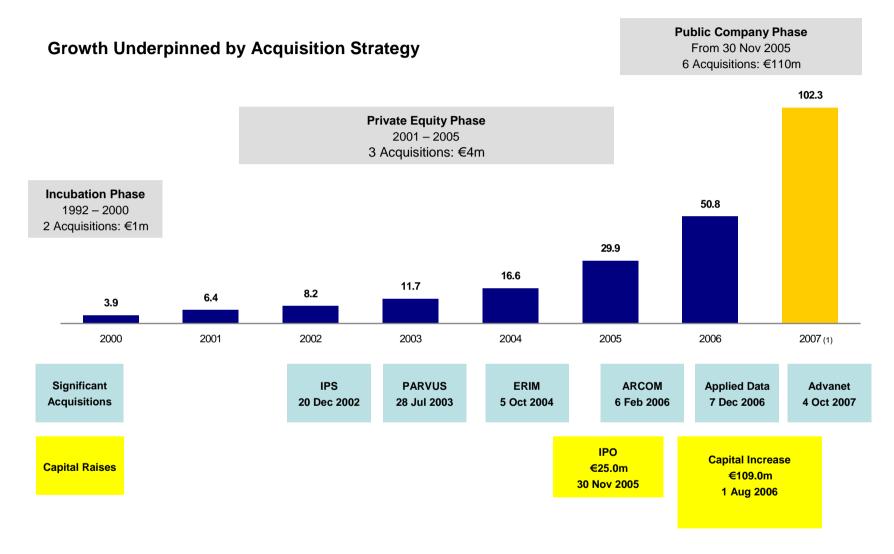
#### **Leading Player in Field of Pervasive Computers**

- ◆ Eurotech researches, designs, manufactures and sales embedded PC.
- ◆ The company also produces high performance computers (HPC)
- ◆ Eurotech has grown rapidly through strategic acquisitions:
  - **◆** ARCOM ,ADS and Advanet
- ◆ The Company currently has:
  - Strategic partnership with
    - Finmeccanica
  - Technology partnerships with
    - Cisco, IBM and Intel





## **History**

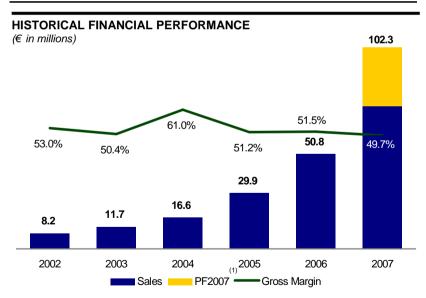




## **Financial Overview**

#### **INCOME STATEMENT**

(€ in millions)	31/12/2005	31/12/2006	31/12/2007	FY2007PF <sup>(1)</sup>
Sales	29.9	50.8	76.5	102.3
Gross profit	15.3	25.5	38.1	53.6
EBITDA	3.3	2.4	1.8	8.8
D&A <sup>(2)</sup>	1.0	2.7	5.9	7.3
EBIT	2.3	(0.3)	(4.1)	1.5
Profit before tax	2.0	1.9	(3.9)	NA
Group net profit (loss)	1.1	0.6	(3.2)	NA
Diluted EPS	€ 0.10	€ 0.02	(€ 0.09)	NA



#### **BALANCE SHEET**

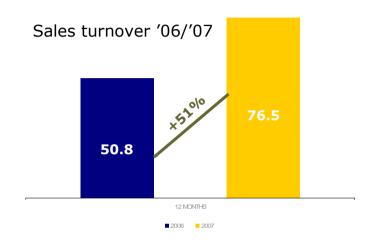
(€ in millions)	31/12/2005	31/12/2006	31/12/2007
Current assets	17.4	27.7	50.8
Current liabilities	13.7	17.7	26.5
Net working capital	3.7	10.0	24.3
Total assets	52.9	182.8	228.6
Total liabilities	19.9	42.0	89.2
Net asset value	33.0	140.8	139.4
Short-term borrowing	2.6	3.8	10.0
Medium-/long-term borrowing	2.6	15.9	34.2
Cash & cash equivalents	25.6	119.6	56.6
Net debt / (Cash)	(20.3)	(99.9)	(12.5)

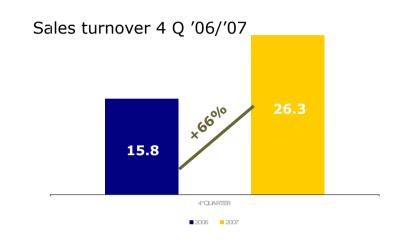
#### **KEY RATIOS**

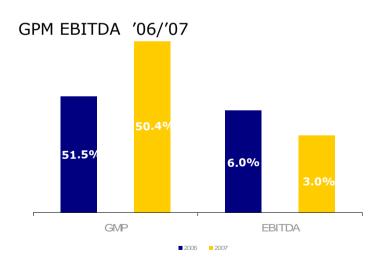
	31/12/2005	31/12/2006	31/12/2007
Sales Growth	79.3%	70.0%	50.8%
Gross margin	51.2%	50.2%	49.7%
EBITDA margin	11.0%	4.7%	2.3%
Gearing <sup>(3)</sup>	Net Cash	Net Cash	Net Cash
Capex as % of sales	7.7%	8.0%	NA

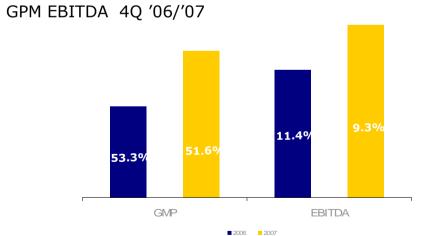


#### **Selected Financial**











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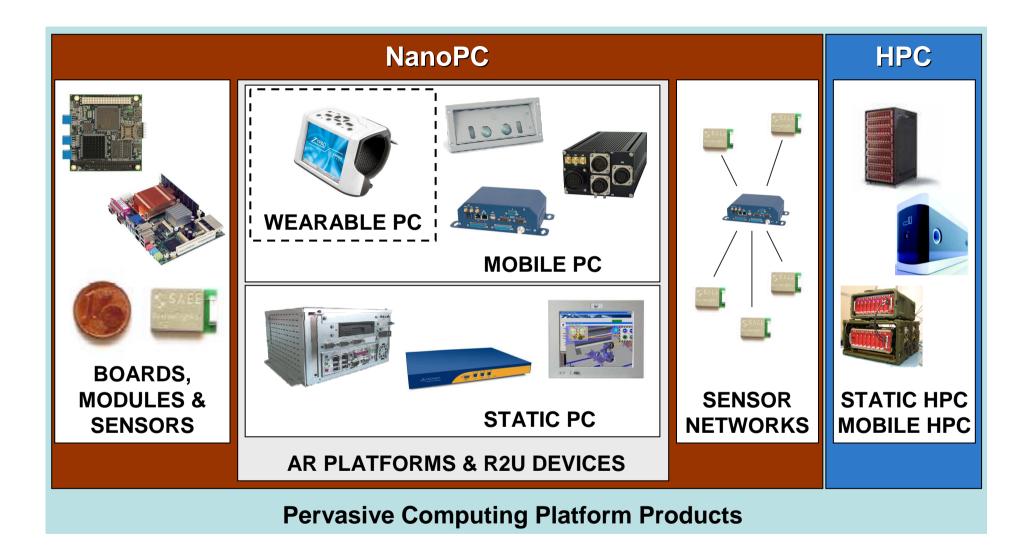
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#### **Business Portfolio**





## **Product Applications and Customers**

Sector	% of 2007PF Revenue	Products	Main Customers
INDUSTRIAL	61%	■ Appliances  Wearable Computers, Passenger Counters, WAN Optimisers, Cellular Routing Modems ■ Stationary Computers  Wall-Mount Computers, Rack Computers, PCI Add-on Boards, Panel Computers, LCD Industrial Monitors ■ Embedded Boards	Agilent Technologies  Agilent Technologies  TUCO  HEAVY INDUSTRIES, LTD.
TRANSPORT	20%	<ul> <li>Appliances         Wearable Computers, Passenger Counters, Mobile Access Routers, Mobile Wi-Fi Hotspots     </li> <li>Mobile Computers         Mobile Compact Computers, Mobile Stack 104 Computers     </li> <li>Embedded Boards</li> </ul>	ALSTOM  Ansaldosts  A Flameccanica Campany
DEFENCE	13%	<ul> <li>MIL/COTS Solutions         Networking subsystems, Wearable Computers, Mobile Computers, Rugged Display     </li> <li>Custom Development         Cockpit Operator Panel, Manpack radio, Flight Test Display etc.     </li> <li>Embedded Boards</li> </ul>	GENERAL DYNAMICS  LOCKHEED MARTIN  THALES  Communications  BAE SYSTEMS
MEDICAL	4%	■ Magnetic Resonance Imaging  ■ Computerised tomography  ■ X-Ray equipment	Medironic Alleriating Phin - Restoring Halth - Extending Life  GENDEX  GE Healthcare
RESEARCH INSTITUTES	2%	■ HPC	Gender, Imaging Excellence.  Sandia National Indicato National Indicator Ind



#### **Customer Case Studies**



Train Audio Matrix: Public address

- . Voice/Message communication/distribution in all the new Train
- . IP65 HMI with ISDN communication interface





**Pipeline monitoring** 

- . Advanced Control System
- . Monitors pipeline data for maintenance e billing





#### **Customer Case Studies**



- . Portable Computer for digital Radio
- . for Radio Video link processing
  - . Application: UAV radio link



#### **BAE SYSTEMS**

- . Improved Operator Control Panel (IOCP)
- . 1 ATR Cockpit Computer and Display
  - . Application: EA-6B Prowler







#### **Customer Case Studies**



## **Agilent Technologies**

.Instrumentation, Test & Measurement

- . One program grew into three with other groups
- . Semi-custom spin





#### Medical

- . Adaptable for home health market
- . Power thrifty
- . Ruggedized





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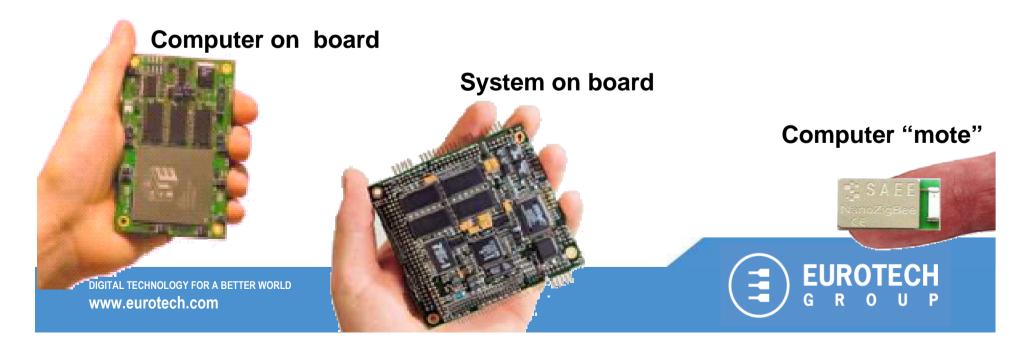
### **Vision: Digital Technologies for a better World**

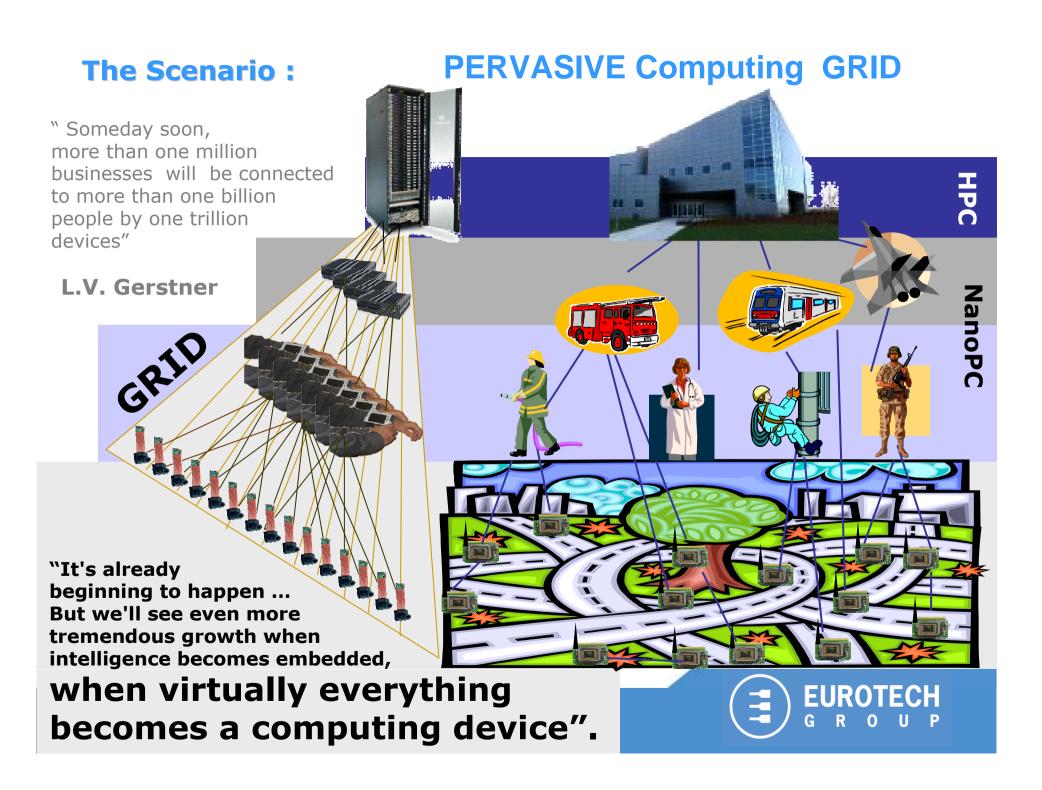


**Mark Weiser** 

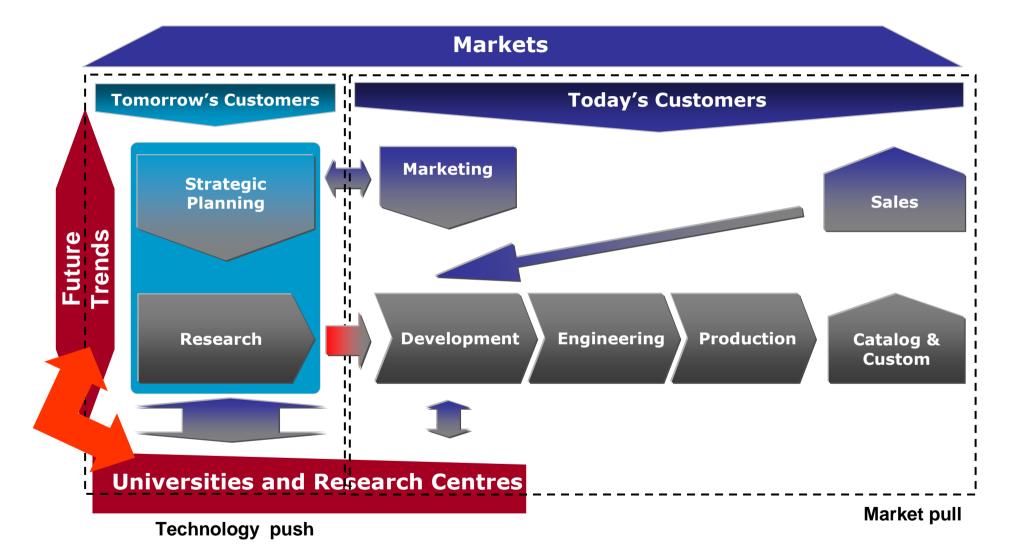
"The most profound technologies are those that disappear. They weave themselves into the fabric of everyday life until they are indistinguishable from it"

"The Computer for the 21st Century", Scientific American - 1991



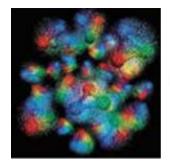


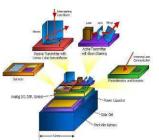
#### A BUSINESS MODEL propelled by INNOVATION





#### RESEARCH LINKS







#### **Research Agreements**

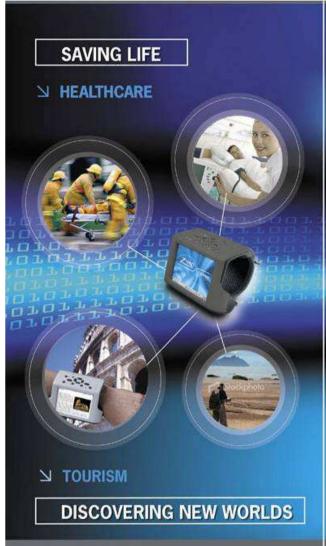
- ➤ Italian National Institute for Nuclear Physics (INFN)
- University of Bologna (Electronic Engineering Dept.)
- ➤ University of Milano-Bicocca
- > European Centre for Theoret. and Nuclear Phys. of Trento
- ➤ Udine University (DIEGM)
- ➤ Trieste University (Physics Dept.)
- ➤ University of Trento
- ➤ University of Pisa (Informatics Dept.)
- > IIT of Mumbay
- University of Kent at Canterbury
- ➤ University of Wales at Newport
- ➤ University of Westminster at London
- University of Paris-Sud at Orsay
- > University of Bielefeld
- > DESY Lab at Berlin
- University of Zaragoza

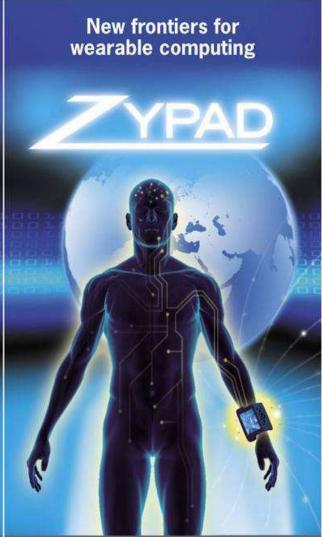
HPC
Pervasive Computing
HPC
HPC
Pervasive Computing
Quantum Computing
Pervasive Computing
HPC

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**HPC** 

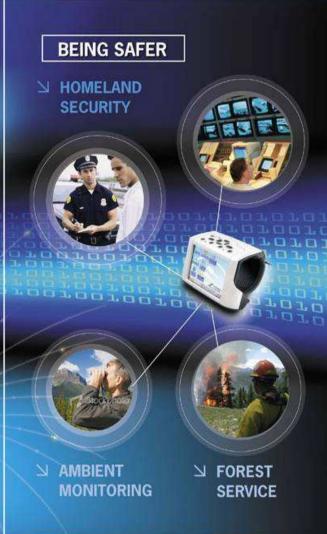








- ☑ Hands free operations
- ☑ High computing capacity



## **Zypad family: Wrist Wearable Computer**

• Zypad WL1100



3 Zypad WR1000 (samples 1Q '08, production expected for 3Q '08)









## **Zypad-R**

• FVG Civil Protection







## **Catalyst Module**



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## **Key Investment Highlights**

Further opportunities for profitable growth

Focus on innovation

Broad product portfolio

Strong reputation and high quality partners



Diversified endmarkets and blue chip customers

Highly experienced management team

Fab-less business model



#### THANK YOU FOR YOUR ATTENTION



#### **Product Portfolio**

#### Unique Range of Embedded Products, Technologies and Solutions

#### **PRODUCTS**

#### **BOARDS & MODULES**

- VME CPUs, Communication and I/O boards
- CompactPCI CPUs, Communication and I/O boards
- ◆ CompacPCI Express CPUs
- ◆ PMC I/O and Communication mezzanine
- PC/104 CPUs, I/O and Communication Modules
- EBX CPUs boards
- ◆ EPIC CPUS boards
- CommExpress CPU module
- Other Proprietary Form Factor for CPUs Modules (Bitsy, Catalyst, etc..)

#### APPLICATION READY PLATFORMS (ARP)

- DURACOR: Rugged Mil spec Embedded M2M computer
- ♦ DURAVIS: Rugged Mil spec Display
- DURACOR: Rugged Embedded Computer for Transportation
- DURANAV: Low cost Embedded computer for AVL/AVM application.
- Wearable computers: standard and rugged
- ◆ Stack-104: modular PC/104
- ♦ ICE family
- ♦ 19" boxes
- Industrial PC and Panel PCs
- ♦ ZigBee GP sensor interface

#### READY TO USE PRODUCTS (R2U)

- ♦ Wearable Computer : standard and rugged
- Network Appliances (switch, wireless router,taglia banda. Link managers, mobile wireless router)
- People/Passenger counter
- Mobile wireless modem
- ♦ Mobile Access Routers
- ♦ Rugged switches and hubs
- ♦ ZigBee data logger and bridges
- HP0

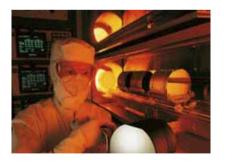
#### **TECHNOLOGIES**

- Introduction High Speed Digital Hardware Design
- ◆ Low power and ultra-low power
- Mechanical and Electrical design for:
  - Defence, Transportation, Industrial
  - Environmental Protection
  - EMI shielding
  - ◆ Cooling
- Firmware design capabilities
- OS adaptation (BSP), Power managment and Device drivers
- Dev. Tools and Middleware
- Application code
  - TCP/IP Networking routing, shaping etc
  - Video/Image Processing
  - Stereo Image Processing
  - Multimedia and IP-Video









## **Group Companies – Europe**

COUNTRY	COMPANY	OWNERSHIP	OVERVIEW	KEY CUSTOMERS
Italy	EUROTECH G R O U P www.eurotech.it	100%	<ul> <li>Founded in 1992</li> <li>Headquarters of group companies located in Amaro</li> <li>Designs and develops standard and bespoke embedded PCs and high-performance embedded systems</li> <li>Complete range of products and services, supplying a broad spectrum of industries, including transportation, telecommunications, security technologies, aerospace and manufacturing industries</li> </ul>	<ul> <li>Alstom</li> <li>Bombardier</li> <li>Desy</li> <li>Finmeccanica</li> <li>INFN</li> <li>Lufthansa</li> </ul>
UK	<b>■ EuroTech Ltd</b> www.eurotech-ltd.co.uk	100%	<ul> <li>Spin-off from Arcom</li> <li>Aims to penetrate new and emerging markets through innovative research to develop scalable industrial, mobile and wearable computer solutions</li> <li>Develops products from initial concept, through complete electronic, mechanical and software design, to extended lifetime support</li> <li>Engineering and support teams offer experience in hardware and system design, embedded operating systems and communications protocols</li> </ul>	<ul> <li>Applied Materials</li> <li>BAE Systems</li> <li>General Dynamics</li> <li>Quinetic</li> <li>Selex Com Airborne</li> </ul>
Finland	EuroTech Oy www.eurotech.fi	100%	<ul> <li>Regional coverage function for:</li> <li>Nordic countries</li> <li>Russia and CIS</li> <li>South and South East Asia</li> <li>China and Korea</li> </ul>	<ul> <li>Mainly regional and global system and software integrators, as well as OEMs</li> </ul>
France	<b>EuroTech France</b> www.eurotechfrance.fr	100%	<ul> <li>Founded in 1981</li> <li>Specialises in providing solutions for embedded PCs with an industrial focus</li> <li>Core products include         <ul> <li>PC104</li> <li>"Stake" PC104</li> <li>Other systems and subsystems for military, industrial and transport</li> </ul> </li> </ul>	<ul> <li>Air Liquide</li> <li>Amesys</li> <li>Armee de l'Air Francaise</li> <li>Faiveley</li> <li>Secheron</li> <li>Thales</li> </ul>
Italy	<b>EthLab</b>	99.99%	applications  ◆ Internal research centre of group  ◆ Exploits worldwide network of scientific practicioners	♦ NA



## **Group Companies – US**

COMPANY	OWNERSHIP	OVERVIEW	KEY CUSTOMERS
Arcom.www.arcom.com	100%	<ul> <li>Founded in Cambridge, MA in 1982</li> <li>One of the leading suppliers of standard, modified and custom solutions for embedded communication and control technology</li> <li>Offers a comprehensive range of industrial PC/104, EPIC, EBX and Eurocard format embedded PC and single board computer products based on x86 compatible and XScale RISC technology</li> <li>All the processor boards include embedded Flash memory and are supported by Flash File System software</li> </ul>	<ul><li>Sandia</li><li>Siemens Energy</li></ul>
Applied DATA SYSTEMS  www.applieddata.net	100%	<ul> <li>Founded in 1995</li> <li>Offers off-the-shelf and bespoke embedded computer systems</li> <li>Extended product offerings within group, through expanded sales and partner channels in North America, EMEA, and Asia Pacific regions</li> <li>R&amp;D focus on pervasive technology</li> </ul>	<ul> <li>Agilent Technologies</li> <li>General Dynamics</li> <li>Government Agency "NSA"</li> <li>Medtronic</li> <li>Philips</li> <li>Tyco</li> <li>Voxware</li> </ul>
Parvus www.parvus.com	100%	<ul> <li>Founded in 1983</li> <li>Strategic systems engineering and development partner for aerospace, defence, transportation and industrial OEMs</li> <li>Specialises in the rapid design and production of turnkey embedded computing solutions for harsh environments (extreme temperature, vibration, impact, EMI/EMC).</li> <li>Extensive expertise in systems integration, electrical/mechanical design</li> <li>Complete line of rugged commercial-off-the-shelf (COTS) PC/104, PC/104-Plus, and PCI-104 computer boards and enclosures</li> </ul>	<ul> <li>BAE Systems</li> <li>Boeing Company</li> <li>L-3 Communications</li> <li>Lockheed Martin</li> <li>Northrop Grumman</li> <li>Varian Medical</li> </ul>



## **Group Companies – Asia**

#### Asia

COUNTRY	COMPANY	OWNERSHI P	OVERVIEW	KEY CUSTOMERS
Japan	Advanet Group www.advanet.co.jp	65%	<ul> <li>Founded in 1981</li> <li>A leading manufacturer of single board computers, I/O, data acquisition, and communication products for the embedded markets</li> <li>Serves the Automotive, Semiconductor, Medical, Telecom, Transportation, Power Generation, and Scientific industries</li> <li>Products include VME, CompactPCI, PCI &amp; PMC boards for PowerPC and Intel Pentium</li> </ul>	<ul> <li>Canon</li> <li>Hitachi</li> <li>Mitsubishi</li> <li>Nikon</li> <li>Yokokawa</li> </ul>
China	Vantron  A MEMBER OF EUROTECH GROUP  WWW.vantrontech.com.  cn	65%	<ul> <li>Provides software and embedded system development and testing service</li> <li>Development of audio &amp; video process, multimedia IP delivery, MIS systems, database applications, and websites</li> <li>Development of embedded system such as GPRS or CDMA based mobile application, medical instruments, image processing, IP based multimedia delivery, MPEG encoder and decoder, vehicle fleet management, point sale, industrial control, gaming and cross industrial communication devices</li> <li>Provides bespoke solutions as well as assistance in its customers' own product development</li> </ul>	<ul> <li>Agilent Technologies</li> <li>General Dynamics</li> <li>Government Agency "NSA"</li> <li>Medtronic</li> <li>Philips</li> <li>Tyco</li> <li>Voxware</li> </ul>

