

Involvement of Prisma in HEP experiments

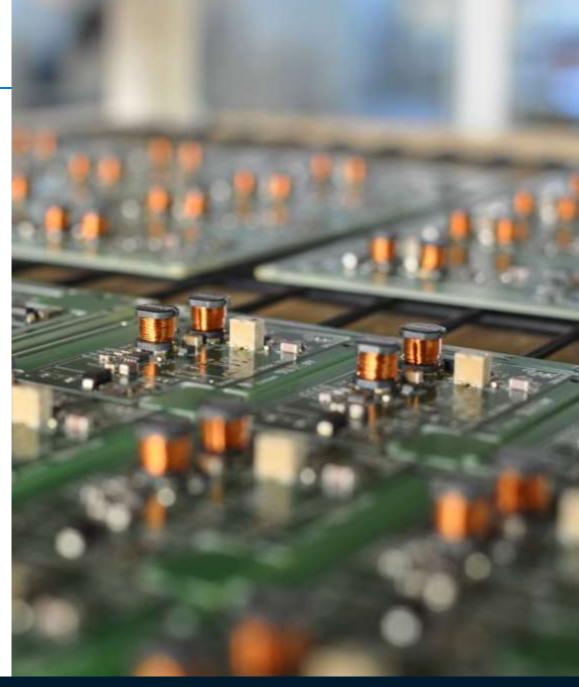


Prisma In a nutshell

Prisma Electronics SA is a **hi-tech** Company established in 1991 in Alexandroupolis, NE Greece

Main activities:

- Electronics Manufacturing Services
- R&D Projects
- ICT

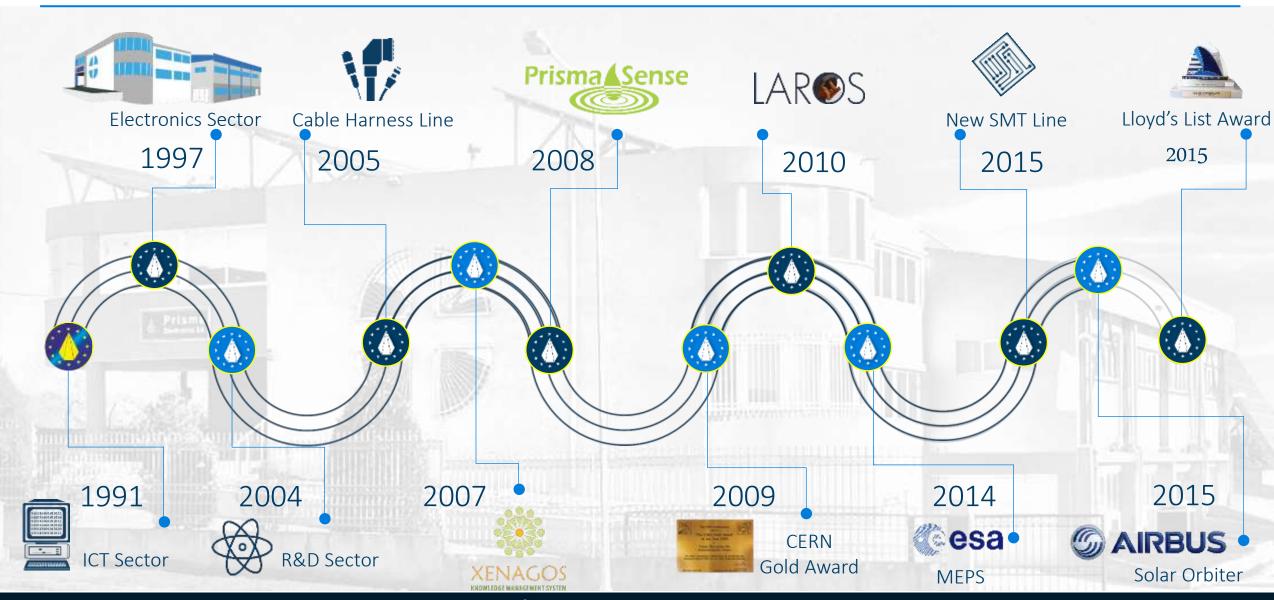


Vision

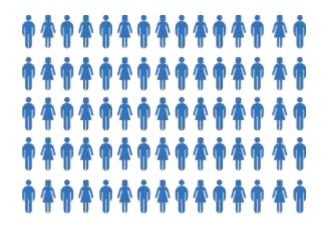
to become a **technology pole** in the wider geographical area, while developing **innovative corporate products** to compete globally.



History



In numbers



employees



> 65%

Higher education



Quality Systems



ISO 9001:2008 Cert No: 041050097



ISO/IEC 20000-1:2011 Cert No: 01814003



ISO 27001:2005 Cert No: 08014045



EN ISO 14001:2004 QMSCERT No: 301215-2



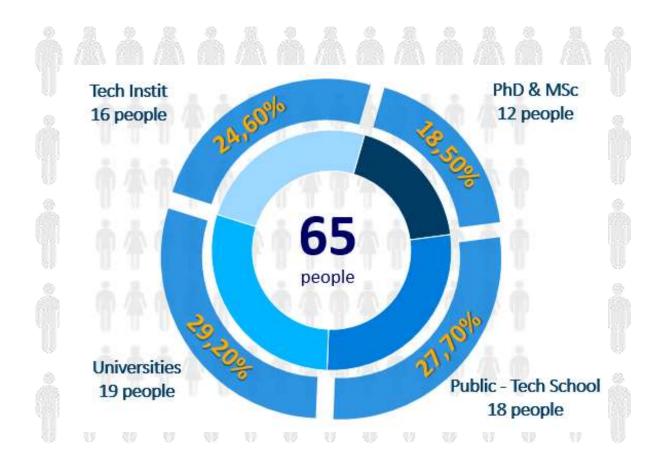




Industrial Safety
Hellenic Ministry of National Defence



Personnel Education

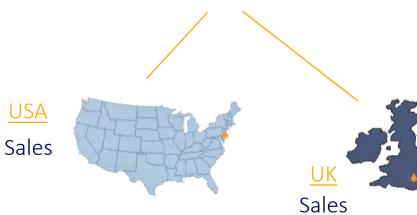


engineers, technicians and administrative personnel with continuous training and education

Locations

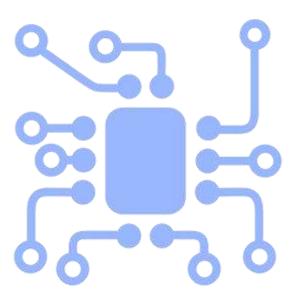


BUSINESS DEVELOPMENT OFFICES



Activities

Industrial R&D & Research Commercial Space – Defense Academia 100110011 111110001 000101000 010101010 **Company Products** Consultation Commercial



Electronics Sector

Electronics Services

PCB Assembly through SMT and THT techniques

- SMDs placement accuracy 0,035 mm,
- SMDs placement from 01005 to QFPs and BGAs
- Lead or lead free Soldering (RoHs)
- Nitrogen reflow soldering capability

Assembly/Integration of electronic devices,

Cable harnessing

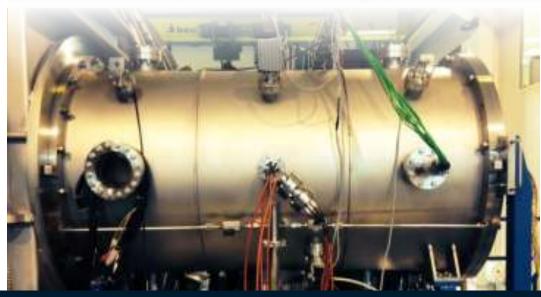


Electronics Services (Space)

CLEAN ROOM, CLASS 10.000, ISO 7 (to be operational 1st quarter of 2016)

THERMAL VACUUM CHAMBER (to be installed by the end of 2017)





Electronics Services

Specialized services:

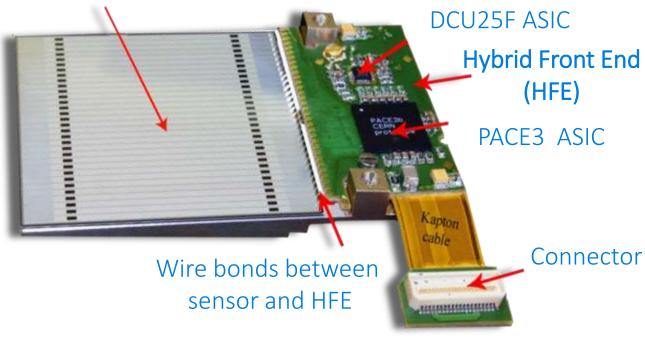
- Burn in test
- Coating
- Isolation & Continuity test
- Repair & rework support

Functional testing



Electronics (CERN/CMS)

Silicon Sensor with 32 stripes

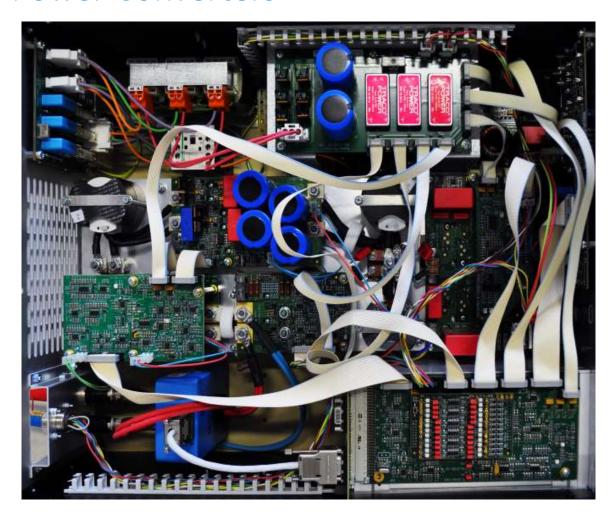


< 0,02% Defect Rate, in 5500 HFE boards produced



Electronics (CERN/ACAPULCO)

Power Converters





Electronics (CERN/RD51)





Hybrids



ATX Adapter



FEC

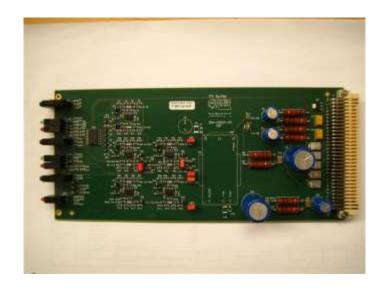


Electronics (CERN/ATLAS)



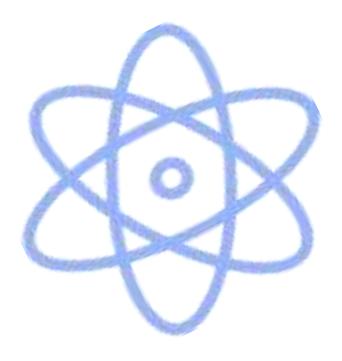


Electronics (CERN/D.E.M.)



Manufacturing various boards for the Development of **Electronic Modules** Department at CERN





Research & Development Sector

R&D Services

Design of **Electronic Circuits**

Design and Development of Electronic Devices

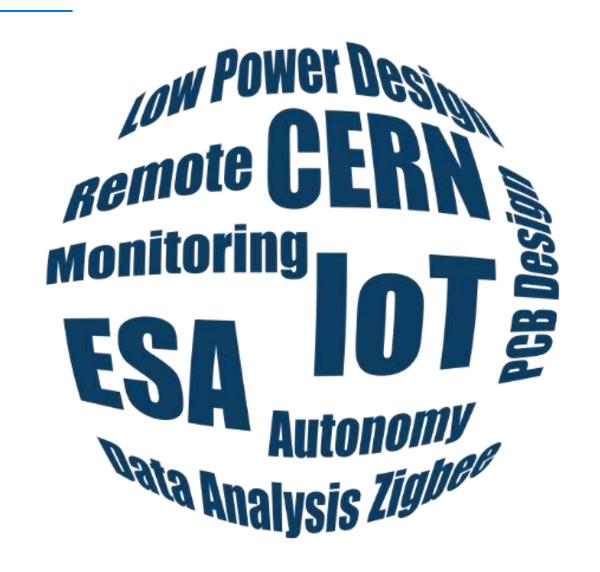
Design and Development of Microwave Devices

Prototyping

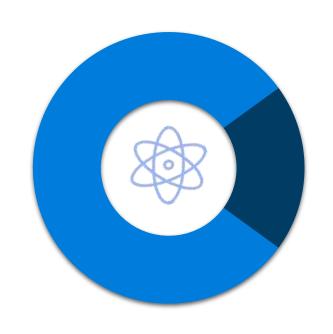
Software Development

- Operational System Software
- Embedded Software
- Application Software

Support Services to obtain CE

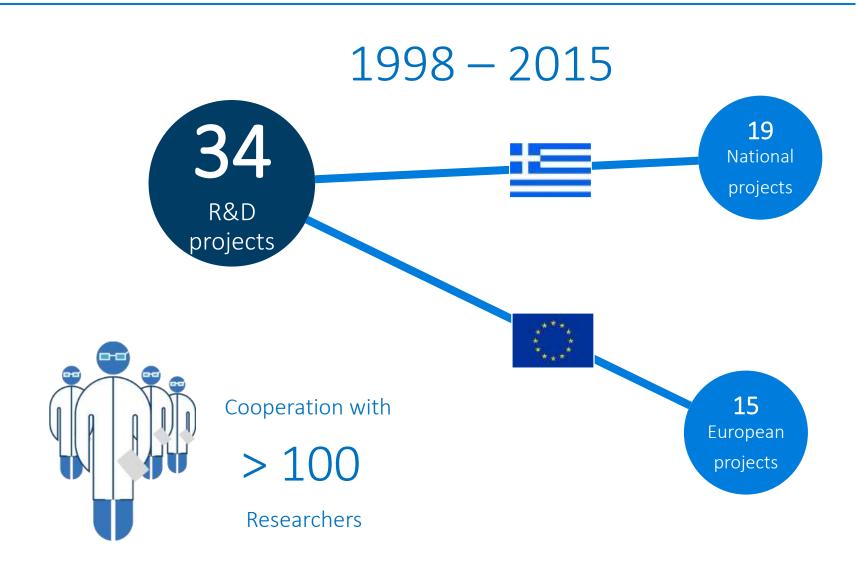


R&D Projects

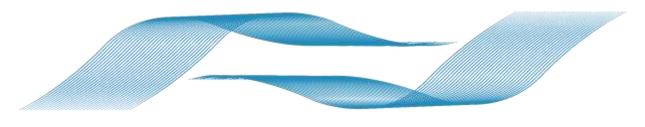


> 20%

of annual return invested in R&D



R&D Projects (CERN)



EDUSAFE

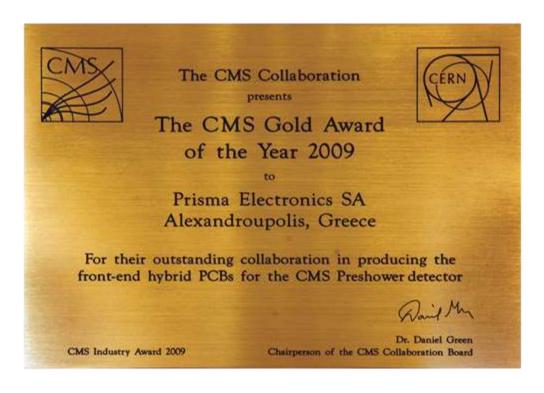
Personnel Safety System Platform for remote monitoring in Harsh Environments utilizing PrismaSense®

FTK

Fast Tracker for Hadron Collider Experiments



Awards



GOLD INDUSTRY AWARD 2009, CERN



TECHNICAL ACHIEVEMENT AWARD 2015, LLOYD'S LIST



DISCTINCTION IN R&D COOPERATION, DEMOKRITOS

