Company Presentation



Konstantina I. Mermikli Electrical & Computer Engineer



Presentation Outline

- Company ID
- History
- Organization
- Manufacturing for CERN
- SRS Production



Company ID

Prisma Electronics SA

Established

Location

Personnel

Activities

Turnover (2010)

Q. System

: 1991

: Alexandroupolis, NE Greece

: 50

: Electronics – ICT – R&D

: 3,3 MEuro

: ISO 9001:2008



History



Organization





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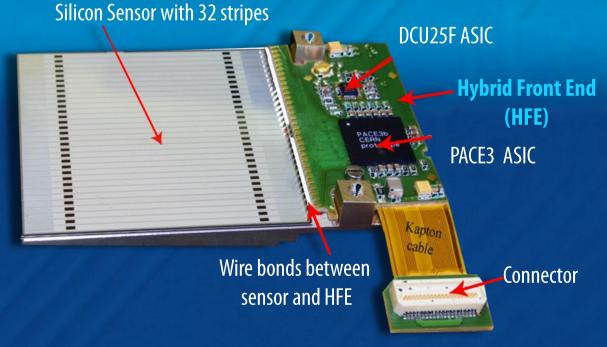


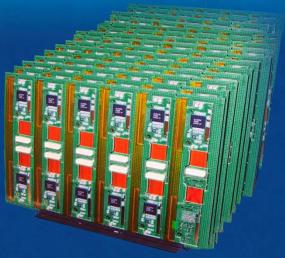


CMS Experiment



< 0.02% Defect Rate in 5.500 boards production





ACAPULCO, AC/DC Pulse Converter





114 devices production









FGC, Function Generator Controller



- 100 devices production
- 7 boards each







ALICE, Pythagoras

- Prototype board
- Components on both sides







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Status of SRS Production

- Pilot production in agreement with CERN Finance Department and exclusive sales of SRS via the CERN store
- Detailed analysis on SRS specifications
- Design of manufacturing process







ADC

SRS Parts



Hybrids



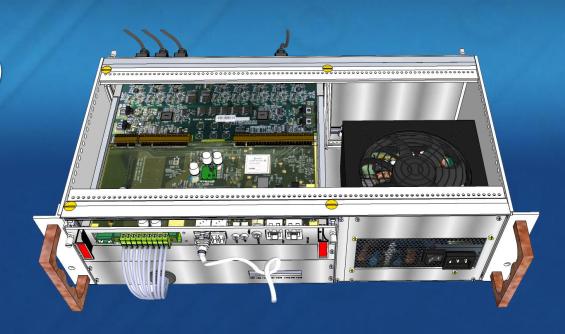


FEC



Minicrate

- 6 devices production
- Each Minicrate (2k channels) contains:
 - 1 x FEC/ADC combo
 - 1 x ATX Power Supply
 - 1 x ATX adapter



For Small & Compact Test Stations — Up to 4k channels



Eurocrate

- 7 devices production
- Each Eurocrate (4k channels) contains:
 - 2 x FEC/ADC combos
 - 1 x ATX Power Supply
 - 1 x ATX adapter



For Larger Systems – Up to 16k channels



Manufacturing Process

- Prototype phase = Production of 1 x Minicrate & 1 Eurocrate
- Functional Tests of the prototype in cooperation with CERN engineers
- Repair possible malfunctions
- First pilot production of the rest SRS devices





Roadmap

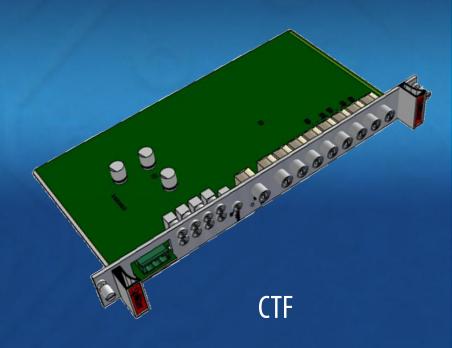
- After the components supply, less than 20 working days are needed for the prototypes production
- Functional tests of the prototypes
- After the prototypes are accepted, less than 25 working days are needed for the rest SRS devices production
- Functional tests of the rest SRS devices



Plans for the next production

- Bigger quantities of SRS devices
- Add new CTF module
- Add SRU for up to 80k channels





SRU



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