

Transversal competencies



NanoXplore is a privately owned fabless company based in France. The company was created in 2010 by three veterans of semiconductor industry with long experience in the design, test and debugging of FPGA. The founders of NanoXplore were amongst the pioneers of custom FPGA based emulation systems and IP macros for embedded FPGA cores. In 2006 they developed a new family of FPGA devices with 750K four-input LUTs implemented in a 65nm technology.

Based on his team's long standing FPGA development track record, NanoXplore has designed a leading radiation hardened FPGA portfolio for aerospace, defense and industrial market.

COMPETENCIES & CAPABILITIES

NanoXplore competencies & capabilities are:

- Programmable Logic Devices,
- VHDL & Verilog design,
- High-Speed Serial Links,
- IP core development,
- Radiations Effects on Components & Systems,
- Electronic Packaging,
- Space & Military quality standards
- Etc.



COMPANY NAME

PRODUCTS & SERVICES

NanoXplore develops Radiation-Hardened By Design Sram-based FPGA components for use in any spaceborne applications starting with Low-end FPGA to High-end FPGA System-On-Chip.

Since FPGAs are standard components, being programmable, even reprogrammable, these devices can be implemented in basically all electronic systems. The programming is done with our Software tool suite named NXmap.

Since those components are complex, full technical support is done by NanoXplore themselves as well as by franchised distributors.

MAJOR SPACE PROJECTS & REFERENCES

NanoXplore is involved in many Space projects, either from Space Agencies and Europeans organizations as well as from Prime Contractors and Subcontractors.

Hereafter a very short list of projects where NX involved:

- SVOM mission
- Floripasat
- Galileo Second Generation,
- Etc.

POINT OF CONTACT

ADDRESS 1 avenue de la Cristallerie
92310 SEVRES - France

WEBSITE www.nanoxplore.com

PHONE +33 (0)1 77 87 00 48

POINT-OF-CONTACT : Joel LEMAUFF – Head of Marketing & Sales –
+33 (0)6 8382 0053 – joel.lemauff@nanoxplore.com

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