

TechwaY

The way of innovation



+ FPGA engineering services

+ FPGA computing platform

+ High speed communication

www.techway.eu



[We provide solution to simplify use of
FPGA technology]

Specialized in FPGA computing

TechwaY has developed unique skills in using FPGA technology to solve signal and image processing applications. Our solutions address projects with high density, high bandwidth data streams and projects with dense computing requirements.

To ease FPGA deployment and integration into modern real time systems, we offer standardized and Versatile FPGA platforms together with software tools and customization services.

Our solutions are in operation into several systems in the Defense sector. They are mature and will bring you following advantages:

- Cost effective
- Save engineering time
- Reduce risk
- Increase time to market
- Open for customization.



Techway products

Our products are the outcome of our engineering activities with defense contractors, together with Research & Development efforts. Techway started **MANUFACTURING** its own products in 2008, offering a line of advanced FPGA-based digital processing products. Our products are modular and versatile. They are based on standard like PCIe, VITA 57, and are designed to fit into a wide range of industrial environments. Our goal is to provide industry sectors like, imaging medical, telecommunication, video processing with advanced computing solutions, originally in use into defense and avionics equipments.

Techway innovation

As a further service to our clients, Techway offers **Research and Development** facilities, in which we work in conjunction with leading french research laboratories. This research activity is directed at exploiting FPGA technology to provide solutions to advanced processing and communication problems with the aim of marketing innovative products.





- + Signal acquisition and processing
- + Video acquisition
- + FPGA processing
- + Real-time recording
- + Real-time data processing

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Design and engineering services

Techway offers engineering and customization services for signal and image processing applications using are FPGA solutions.

These services are executed by engineering staff with twin skill sets: signal and image processing on the one hand, in addition to expertise in digital electronics and HDL programming. These services are available for projects which implement products and solutions marketed by Techway.

What makes us different?

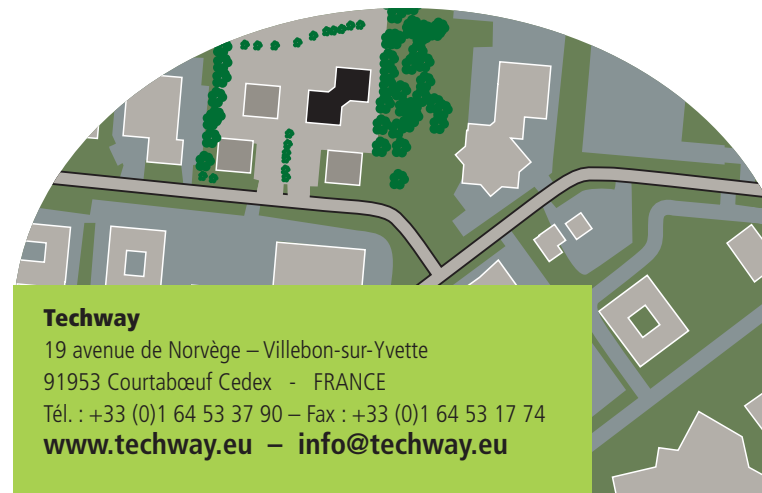
Our engineers are involved in both research activities and projects for our clients. Our clients thus benefit from our deep understanding of our partners' products, and the twin abilities of our engineers. Our product offer can be easily customized to your requirements.

Client references

Techway regularly wins contracts to undertake projects for large industrial groups.

For example, Techway has developed a digital spectrometry data acquisition and preprocessing system on behalf of CEA (Nuclear Research), a tracking radar signal acquisition and multiband processing system for Thales Air Défense (TAD), a goniometer instruction execution accelerator for FREMM frigates for Thales Communication, a SAR wideband recording system for ONERA (Radar Research), and an ARINC 818 switch and video mixing bay for Airbus (Avionic).

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Techway

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