ALTRAN

Software Framework for Aerospace, Defense and Military Networks

95%

of the features required in the product were readily available in our software framework

MORE THAN A DECADE OF ENGAGEMENT

Our client, a leader in providing mission critical solutions for defense and aerospace, needed a reliable, standards-compliant software framework to launch a switching product range rapidly, with the flexibility to add end-customer deployment specific enhancements. Proven quality certifications (like ISO 9001 and SEI-CMM) were important requirements in a highly reliable supply chain. In Altran and ISS (Intelligent Switch Solution) they found the perfect match to create a range of products and successfully win bids and deploy three generations of the product line with variants. The completeness of the ISS software framework and our professional services capabilities allowed them to build and sustain the products efficiently with a minimal in-house engineering team.

70%

of the necessary features in the product were readily available in ISS

DESIGNING STRINGENT ON-FIELD PERFORMANCE DEMANDS FOR NETWORKING, SECURITY AND TIMING FEATURES

Using the ISS as the base to build the products, a skilled and dedicated Altran's engineering team helped the client to define the architecture, supporting demanding security certifications and network use-cases, and also ensured on-time high-quality deliveries. We were able to overcome hardware design limitations, with software workarounds, on older platforms to bring about feature parity across different platforms.

90%

client gained savings in R&D together with an 18-month time to market advantage

REDUCED THE TIME TO MARKET

The software framework, already included all standard features required in a switch/router and, in addition, the capability needed to pass FIPS or other security certification tests. The high reliability of the software already met the needs of mission critical, rugged and hardened systems. This paved the way to reduce work in all phases of a new product viz, detailed feature specification, architecture, development, software + hardware integration and validation.

01st

product launched within 6 months of conception, launched subsequent products within 3-4 months

Find out more about what Altran's Software Frameworks and Solutions can do for your company.

Get in touch to set up a call or meeting with an Altran expert today:
marketing@atran.com

About Altran

Altran is the undisputed world leader in engineering and R&D services. The Group offers its customers a unique value proposition to meet their transformation and innovation challenges. Altran supports its customers, from concept to industrialization, to develop the products and services of tomorrow. Altran has been working for more than 35 years with major players in many sectors: Automotive, Aeronautics, Space, Defense & Naval, Rail, Infrastructure & Transport, Industry & Consumer Products, Life Sciences, Communications, Semiconductor & Electronics, Software & Internet, Finance & Public Sector. In 2019, Capgemini, and Altran announced a merger project in the context of a friendly tender offer to create a global leader in "Intelligent Industry. Altran generated €3.2 billion in revenue in 2019, with more than 50,000 employees in more than 30 countries.

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