

On-board Software



Full-service development
support for avionic
systems from concept to
certification



TXT supports manufacturers of civil and military avionic systems with the experience and skills to efficiently take their on-board software from concept to certification.

Combining in-depth knowledge of the aviation industry, of the production process of mission-critical applications and of the associated regulatory constraints, our experts take care of OEMs' and first-tier suppliers' software development, letting them focus on product innovation and design instead.

We can provide expert resources to extend your existing skill set and surge capacity for peak times to give you more flexibility, help you maximize quality and efficiency and bring down delivery times.

Our strong engineering background, full understanding of avionic and military standards

and our continuous investment in innovation enable us to bring a holistic, interdisciplinary approach to on-board software development, which continually applies the most advanced technologies and processes.

With our ISO and CMMI-audited quality and process management, strong safety culture and security clearance, we are able to deliver both classified and non-classified activities on your premises or nearshore.



SOFTWARE



Full-service software development for on-board systems.

- Design and development of real-time on-board software such as mission and flight management systems.
- Independent verification and validation of mission-critical software.
- Maintenance and upgrades of customized and in-house software.
- Support for DO178B/C qualification.
- System engineering and integration services.
- Embedded software rehosting for engineering testing or for training systems.
- Agile development of EFB and cabin crew applications.

A dedicated framework supporting the software production process.

- Ready-to-use software assets and pre-packaged solutions.
- Virtual emulators for cockpit and test benches.
- Automatic test tools and interfaces for test benches.
- Collaborative environments to support the qualification process.

Our reputation is built on a long-term commitment to our customers and a successful track record of on-board applications for several aircraft, fixed and rotary wing, civil and military.

A strong performance history.

- 30+ years in the business.
- Thousands of aircraft currently operating with TXT engineered software.
- Dozens of test benches with TXT engineered software inside.
- Certified quality including EN-9100 and CMMI Level 3.

_TXT E-SOLUTIONS

is an international, specialized provider of engineering software solutions supporting customers in **high-tech markets** in their mission and **business-critical core processes** and throughout their product lifecycles.

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