Who we are and what we do

TTTech Aerospace provides deterministic embedded network and platform solutions for aerospace and space applications. Its products have already completed over 1 billion flight hours in Level A safety-critical applications like fly-by-wire, power systems, avionics, engine controls and environmental control systems. Proven, mature solutions help customers in the aerospace and space industries to develop integrated, modular and scalable deterministic network platforms that increase safety, fault-tolerance and availability. In addition, integrated solutions reduce size, weight, power and cost (SWaP-C), allowing for easier handling of equipment and lowering total lifecycle cost.

TTTech Aerospace is part of TTTech Computertechnik AG, a leading provider of safe networked computing platforms. TTTech Computer-technik AG operates under the umbrella of the TTTech Group, a globally oriented group of high-tech companies with around 2,300 employees in 14 countries, headquartered in Vienna, Austria. The solutions of the TTTech Group are applied in markets like automotive, mobile machinery, aerospace, smart manufacturing and automation and are trusted by many renowned market leaders, based on 20 years of technology leadership.

TTTech Aerospace	
Part of	TTTech Computertechnik AG
Headquarters	Vienna, Austria
Members of the executive board	Georg Kopetz Stefan Poledna Manfred Prammer
Markets	Aerospace and space
Global presences	Austria, USA, China, Japan

Advanced integrated systems and deterministic networks for aerospace and space applications

Reaching for the sky with certified and safe solutions for the aerospace market

TTTech Aerospace has been engaged in the aerospace market since 1998 as a provider of development, testing, flight, and network configuration equipment for safety-critical applications. Products such as chip IP, ASICs, and on-board hardware enable system integration, set-up of deterministic networks (ARINC 664 part 7 / AFDX®, TTEthernet®, TTP®) and the design and integration of advanced integrated aircraft systems. Worldwide industry market leaders like Airbus, Boeing, Bombardier Embraer, Lockheed Martin, COMAC and their systems suppliers use TTTech Aerospace's solutions in programs including Airbus A380, Airbus 220, Boeing 787, Bombardier G7500, Embraer Legacy 450/500, Embraer E2-195, COMAC C919, Irkut MC-21, Embraer KC-390, Aermacchi M346.

Exploring new ways to simplify spacecraft software and system architectures

TTTech Aerospace also offers reliable radiation-hardened components and integrated modules for Deterministic Ethernet networking applications designed for the use in extreme environmental conditions found in space exploration and human-rated space flight missions. TTTech Aerospace's avionic backbone network systems act as the "central nervous system" of e.g. NASA's Orion Multi-Purpose Crew Vehicle (MPCV), the European Service Module by ESA (ESM) and the Ariane 6 launch vehicle. NASA and its international space agency partners have named TTEthernet®, the deterministic networking technology developed by TTTech, as "International Avionics Systems Interoperability Standards (IASIS)" for programs like the Gateway and future deep space missions.

Advancing safe technologies, improving human lives.

Portfolio Overview

Level A certifiable safety control platforms and real-time network products based on TTP®, ARINC 664 part 7 and TTEthernet®	
Aerospace	**Space**
Switch hardware	Switch hardware
End system hardware	End system hardware
ASICs	ASICs
Embedded software	Embedded software
Software tools	Software tools
Testing and lab equipment	Testing and lab equipment

TTTech Group offices

North America
Boston (US-MA)
Bay Area (US-CA)
Houston (US-TX)

Europe
HQ Vienna (AT)   Brno (CZ)
Munich (DE)   Bucharest (RO)
Ingolstadt (DE)   Novi Sad (RS)
Brixen (IT)   Belgrade (RS)
Madrid (ES)   Osijek (HR)
Barcelona (ES)   Banja Luka (BA)
Tampere (FI)   Izmir (TR)

Asia
Shanghai (CN)
Nagoya (JP)