

Systems and Devices with Passion for Aviation and Space Applications

We develop, design, qualify, produce and maintain electronic systems and devices for aerospace applications. This includes avionics equipment and RF system solutions especially in the field of communication, navigation, flight mission management and electrical ground infrastructure.

The customers receive a series-ready, qualified product from a single source which meets their specification and performance characteristics.

Our team achieves this by applying well-known processes which cover requirement engineering, design and verification during the development cycle. Furthermore, we provide the necessary support regarding legal and certification activities. We manage all involved suppliers and partners to ensure a

single point of contact for our customers. Our customers benefit from our extensive expertise and experience in technology and product development. This includes the area of hardware and software development of complex signal processing solutions with critical RF components. The integration, assembly and production take place in-house at our EASA-certified manufacturing and maintenance site.

Our employees are familiar with working in an international environment through our expertise within EU and ESA projects. The compliance to international quality standards such as EN/AS 9100, RTCA and ECSS is self-evident for us.

Development, engineering, qualification, implementation, maintenance of subsystems including

- » Analogue & digital electronic hardware
- » Specific RF components and devices
- » Digital signal processing and RF signal generation
- » Application software & apps
- » Microcontroller software
- » FPGA firmware development up to DAL B
- » VHDL code development and qualification
- » RTCA DO-178 & DO-254 certification
- » ECSS qualification

Application examples

- » Ground segment infrastructure
- » SBAS & GBAS systems
- » Signal generators & integrity monitoring devices
- » Sub-system and equipment test beds
- » Electrical Ground Support Equipment (EGSE)

Certified by:





Management & Quality

- » Implementation of turnkey projects up to 3 M€ and 3 years duration plus after sales support
- » Management of projects and suppliers according to international quality standards (ISO9001, EN9100)



Production & Assembly

- » In-house assembly, integration and verification
- » In-house production



Design & Development

- » Radio frequency (RF) and electronic hardware systems incl. transponder and radar technologies
- » FPGA and VHDL code development for embedded systems (microcontroller) and applications for safety critical systems



Requirements & Engineering

- » Tool-based engineering according to specific customer requirements
- » Reliability, Availability, Maintainability, Safety (RAMS)



Qualification & Certification

- » Environmental qualification in accordance to RTCA DO-160 (EMC, mechanical, environmental), RTCA DO-178 (software), RTCA DO-254 (hardware), ECSS, CE etc.
- » Certification for airworthy products



Maintenance & Support

- » Logistics and supplier management
- » Customer service, maintenance and repair
- » Obsolescence management

Reference examples



GEO-Satellite payload simulator
EGNOS NLES uplink station test bed
EGNOS SBAS signal generator
EGNOS SBAS integrity monitoring device
KASS SBAS signal generator
KASS SBAS integrity monitoring device



Mission computer for MissionLab



GBAS systems and components



MODE-S Beacon



A400M Hardware-In-The-Loop test rack
MunSys Paralander mission planning system



8.33 KHz radio test campaign



Airborne 1030/1090 MHz dual frequency receiver



A310 MRTT Airborne fuel management working position



Data Logging Unit (DLU)



1090 MHz frequency receiver



Link 22 modem for secure digital radio systems



Dr. Jörg Selle
Director of Business
Development

**We would be happy to develop
the right solution for you.**



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SCAN ME