Airbus CyberSecurity provides reliable and high-grade aerospace security expertise

- Security by Design
- Secure communication
- System of systems
- Secure platforms

**Airbus CyberSecurity**

- A leading European provider protecting EU institutions
- An end-1-end integrator for IT and OT industrial cyber security
- A trusted partner for Airbus, Governments and Critical Industries
- Unique experience with platform security and embedded systems
What does Security by design mean?

Aerospace systems have a complex architecture which includes more and more embedded computer systems.

Cyber risks need to be taken into account at every stage of the design phase to make sure systems remain as secure as possible during the very long life cycle of a platform: more than a decade for most satellites, more than two decades for military aircraft.

This approach is called “Security by Design” for the platform domain, and can include any mobile system such as cars, trains, ships, aircraft, etc.

Only providers with expertise both with platform architecture and cyber security can address fundamental design issues and look at ways to protect from attacks focusing specifically on platforms.

Airbus CyberSecurity - a proven architect and integrator for defence projects

- Secure architecture design and support for the certification
- End-to-end development and integration of bespoke solutions for platforms
- Security audits and vulnerability assessments, including Pentesting
- Validation of the system’s security
- Socio-technical security assessment
- Comprehensive monitoring solutions for platforms and IT/OT/ICS assets
- Operational and security maintenance

End-to-end Platform Security expertise

1. Secure Platform Design & Development
2. Dedicated Architecture & Secure Integration
3. Commissioning, operational and security maintenance
4. Safe decommissioning & lessons learned

Operational support (24/7/365) and customer guidance
Space by Airbus CyberSecurity

- We have strong experience increasing the cyber resilience of space-based systems like navigation, communications or Earth-observation satellite
- Security for New Space: Our track-record even includes working on the security setup for mega-constellations in low-Earth orbit (LEO)
- We provide software cyber solutions increasing cyber resilience against quantum computer attacks
- We address the new security challenges in satellite communication: in-orbit reconfiguration, space-based software-defined radios, user ground segment, etc.
- We secure missions for an extended scope, for instance making systems fit for military customers and dual-use missions

Aeronautics by Airbus CyberSecurity

- As a business unit of a leading manufacturer of civilian / military platforms and manned / unmanned systems, we have deep know-how in both the cyber security of new platforms and improving the digital security of legacy aircraft
- We are currently working on major military programmes such as the Future Combat Aircraft System and multi role platforms
- We are working on the cybersecurity of mission systems (for instance authentification systems or data integrity)
- We work on airborne gateways and ad-hoc networking solutions for platforms taking into account the highest standards for flight certification
- We are developing Air Traffic Management solutions for UAS and On-board cyber defence sensors
- We provide Cyber Vulnerability Investigations that aim to identify any vulnerabilities which could result in a cyber effect and an impact on delivery of a military air mission. The assessment incorporates traditional technical vulnerability assessment/penetration testing but also has a strong focus on human-centric aspects looking at the security culture of the organisation