



Platform Security

Airbus Defence and Space Cyber provides reliable and high-grade aerospace security expertise

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

Airbus Defence and Space Cyber



A leading European provider protecting EU institutions



An end-to-end integrator for IT and OT industrial cyber security



A trusted partner for Airbus, Governments and Critical Industries

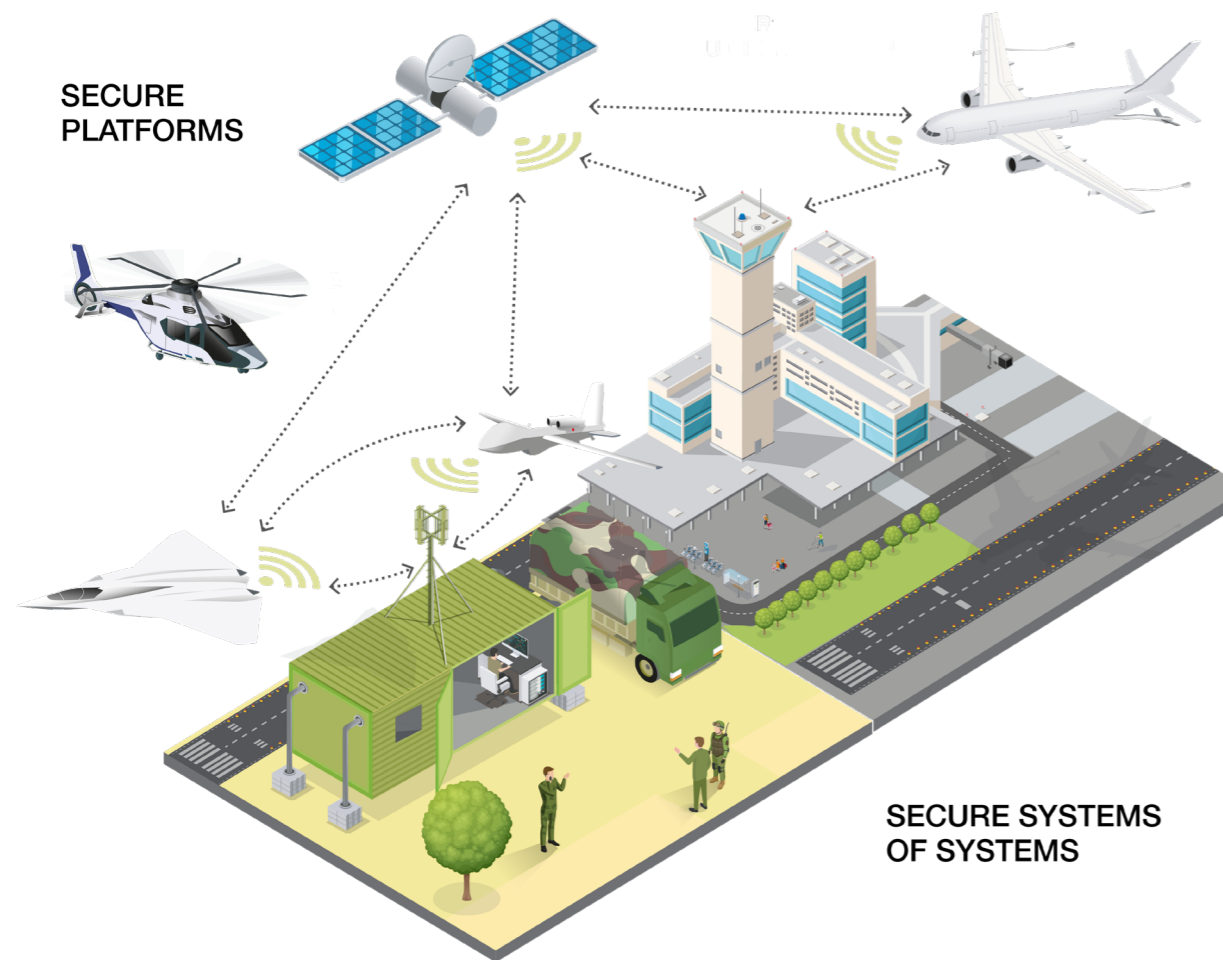


Unique experience with platform security and embedded systems

What does Security by design mean?

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

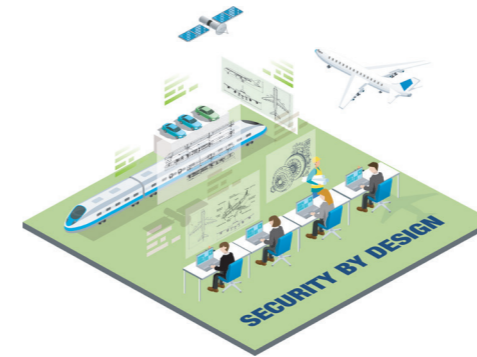
Cyber risks need to be taken into account at every stage of the design phase to make sure **systems remain as secure as possible** during the very long life cycle of a platform: more than a decade for most satellites, more than two decades for military aircraft.



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 Defence and Space Cyber: a proven architect and integrator for defence projects



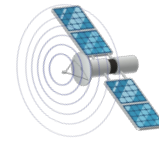
- Secure architecture design and support for the certification
- End-to-end development and integration of bespoke solutions for platforms
- Security audits and vulnerability assessments, including Pentesting
- Validation of the system’s security
- Socio-technical security assessment
- Comprehensive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

End-to-end Platform Security expertise



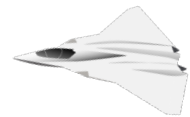
Operational support (24/7/365) and customer guidance

Space by Airbus Defence and Space Cyber



- **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 Defence and Space Cyber



- **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 authentication 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

AIRBUS

FRANCE

Metropole 1, boulevard Jean Moulin
CS 40001 / 78996 Elancourt Cedex
France

GERMANY

Willy-Messerschmitt-Str. 1
82024 Taufkirchen
Germany

UNITED KINGDOM

Quadrant House / Celtic Springs
Coedkernew / South Wales
NP10 8FZ / United Kingdom

This document is not contractual. Subject to change without notice.
© 2022/05 Airbus Defence and Space. AIRBUS, its logo and the product names are registered trademarks. All rights reserved.

contact.cyber@airbus.com
www.cyber.airbus.com

