

IS YOUR AIRCRAFT SECURE?



50 YEARS
ENGINEERING
EXPERIENCE

The risk of an malicious attack is high and concrete. The director of the EASA, Patrick Ky shocked in 2015 with the revelation of exploited vulnerabilities in certain Aircraft Systems. One of his consultants cracked ACARS in 5 minutes.

20 YEARS
EXPERIENCE IN
AIRCRAFT DEVELOPMENT
AND MODIFICATION
FOR AIRLINES
AND OEMS

“For security reasons, I will not tell you how he did it, but I let you judge if the risk is high or low” (Patrick Ky, 2015)

It came out that hackers could easily infiltrate critical systems.

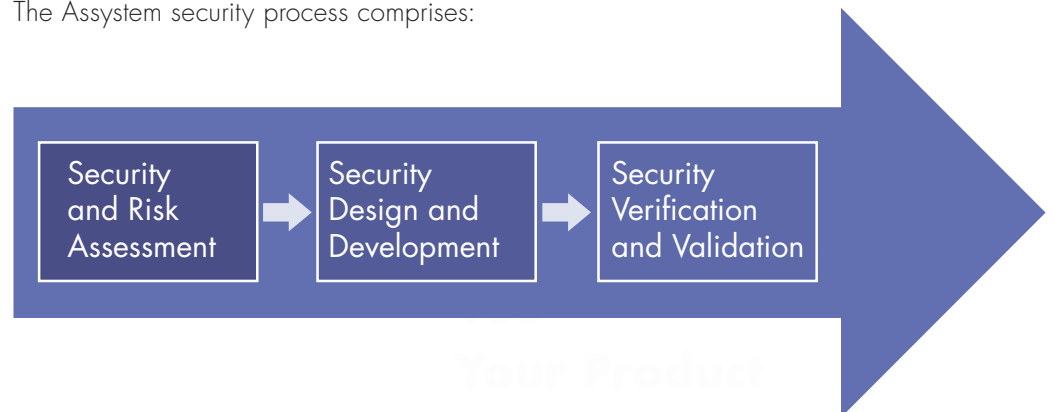
RETROFIT
AVIONICS
CABIN INTERIOR
SYSTEMS ENGINEERING &
INTEGRATION

WE ANALYSE AND SECURE

Assystem performs security & risk assessments and integrates security into your design, based on comprehensive aircraft systems expertise.

The Assystem security process comprises:

APPROVED
21J DESIGN
21G PARTS
CAMO
EN 9100
EN ISO 9001



Your Product
Your Process

FOR DIFFERENT APPLICATIONS

- Wired and wireless communication systems
- Safety-relevant control systems and networks
- Secure connectivity systems, gateways and access points

IN DIFFERENT NETWORK DOMAINS

- Aircraft Control Domain
- Airline Information Services Domain
- Passenger Information and Entertainment Services Domain

WE QUALIFY TECHNOLOGY ACCORDING TO THE LATEST STANDARDS

- ISO 2700x, NIST, ED-202A + 203, IEC/ISA 62443 Series
- AFDX, ARINC 429, ARINC 717, ARINC 811, WAIC
- Ethernet, LAN, Wi-Fi, Bluetooth, GSM & LTE
- Encryption and certificate technology (PKI)

TEAM OF EXPERTS AND PROVEN METHODS

- Secure software & systems design
- Security analysis
- Security management
- Weak spot analysis/penetration testing
- Wireless security
- Security engineers with expertise in various domains and safety-critical applications



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WE IMPROVE THE WORLD THROUGH ENGINEERING