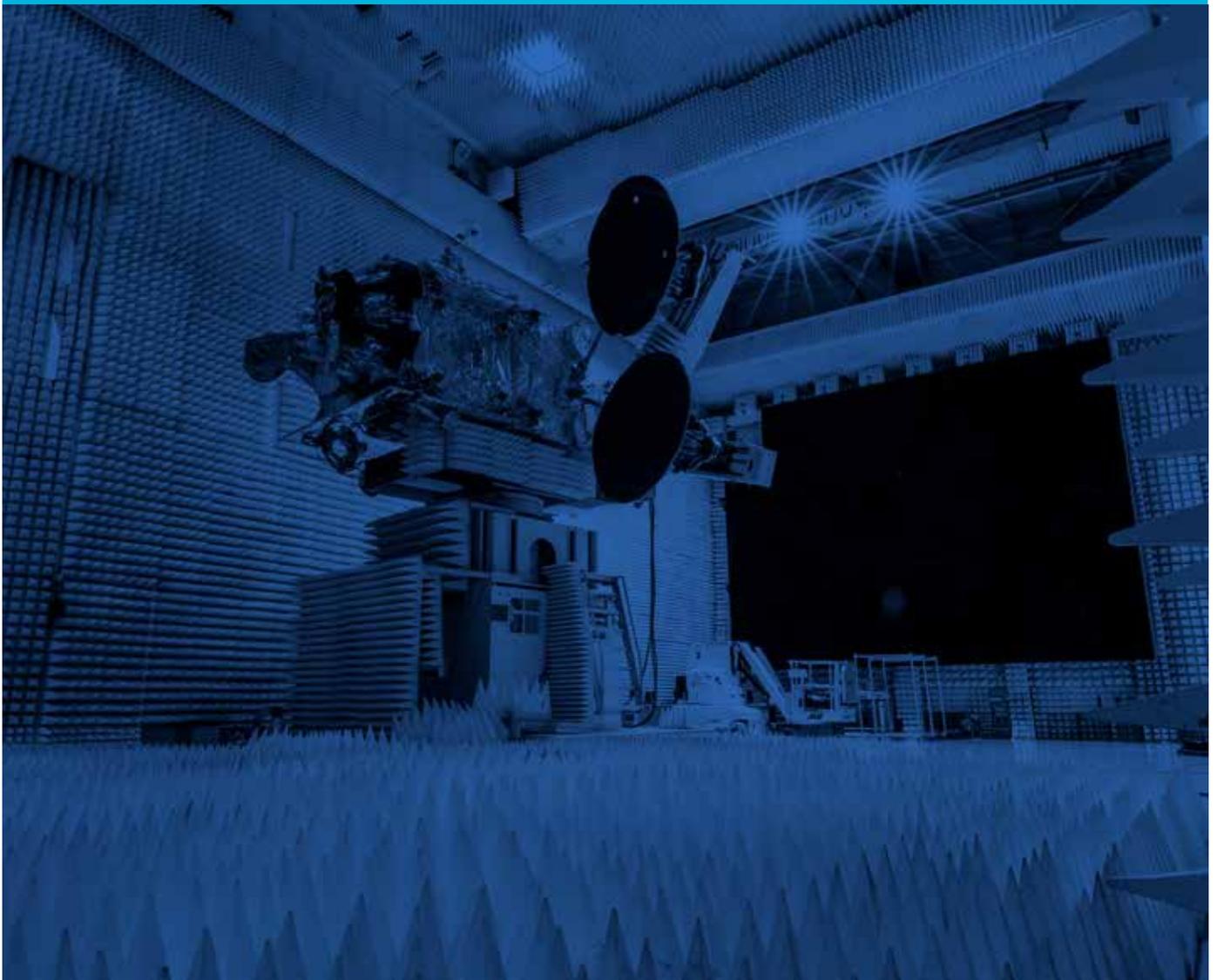
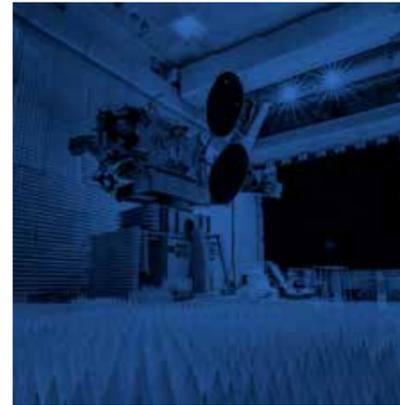


SECURE COMMUNICATIONS AND INFORMATION SYSTEMS

# THALES SECURE BY DESIGN



➤ **Thales's Secure by Design gives security the required priority or necessary attention early on in the design process rather than taking the 'sticking plaster' and often expensive approach of adding it later. It's a proven methodology which can be adapted to any organisation or industry, regardless of size or purpose.**



SECURE COMMUNICATIONS AND INFORMATION SYSTEMS

## THALES SECURE BY DESIGN

### THERE IS NO SHORTCUT TO SECURITY

Whatever you're designing, from mass-manufactured Internet of Things (IoT) components through to unique critical infrastructures, and from cloud services through to anything Internet accessible, security needs to be designed in from the start.

If it isn't, the consequences could be severe. People might get disadvantaged or even hurt, compensation can be claimed and the markets will lose faith. The media, of course, will have a field day.

Whatever your mission, whatever your industry, it makes sense to start with Secure by Design.

#### INTRINSICALLY SECURE

Thales's Secure by Design gives security the required priority or necessary attention early on in the design process rather than taking the 'sticking plaster' and often expensive approach of adding it later. It's a proven methodology which can be adapted to any organisation or industry, regardless of size or purpose.

We start with a deep-dive into your product, followed by examining your design processes and agreeing who needs to be on the extended team. Our aim is to work with you in close partnership to build an understanding of the threat landscape, capturing your requirements and categorising any threats in order of severity.

Not only do we define what you need to do to comply with industry standards and statutory regulations, but we identify the changes that you need make and advise how robust security can be introduced in a proportional, cost-efficient way.

The final step is validation. Our security experts will determine the testing that's required to demonstrate that your new security measures will defeat malicious attacks and unintended human failings.

What does that mean for you? The peace of mind that comes from knowing that your organisation – and your reputation – we flip things around and make it easy to operate securely and difficult to operate insecurely.

#### UNDERSTANDING YOUR THREAT LANDSCAPE

Thales is highly experienced in detecting and analysing security threats. Our experts have the experience, tools and processes to uncover hidden

vulnerabilities, providing clear recommendations for their mitigation.

Secure by Design can be applied to all manner of systems. At one end of the scale, Thales can design security into entire IT infrastructures, industrial controls and military defences. Just as importantly, as the 'internet of things' becomes more and more integrated into our daily lives, we can secure everyday consumer products such as intruder alarms and home appliances.

Trusted by governments, banks, military forces, commerce and industry, our technology and experience range across:

- Commercial and military grade encryption and key management.
- Networks and network design.
- Information assurance.
- Forensic analysis.
- Secure connectivity, up to and including 'OFFICIAL SENSITIVE'.
- Cloud encryption and user access controls.
- Remote access systems.
- Encryption for communications.
- Public Key Infrastructure.
- Hardware Security Modules.
- Certificate authorities.

#### OUR CREDENTIALS

Thales is a global manufacturer with a strong UK presence and particular expertise in designing, building and protecting secure systems, from the simplest to the most complex.

Our security consultants have direct personal experience of cyber security, risk and compliance in nuclear, rail, aviation, defence, commercial, government, air traffic management, Critical National Infrastructure and automotive markets around the world. They have tackled projects large and small.

Regardless of who we're working with, our aim is always the same. To protect you with security that is relevant, realistic, and complete. We can't tell you when an attack is about to come, but we can make sure that you're ready for it.

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