

About our interest in SARNET

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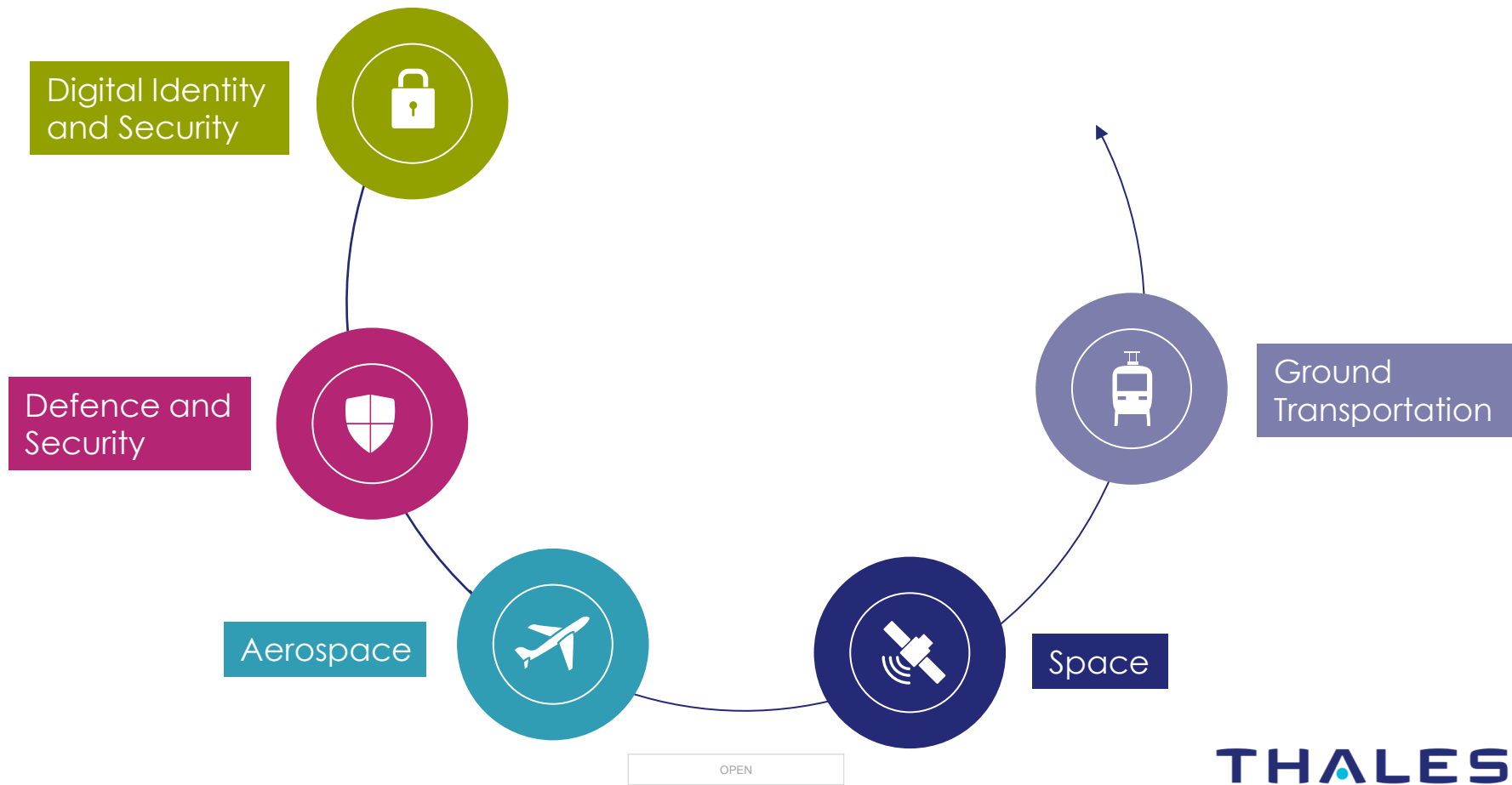
Over **80,000**
employees 

68 
Countries
Global presence

1 bn € 
Self-funded R&D*

* Does not include externally financed R&D

Sales in 2018 
19 bn €



Thales's Mission

Sensing
& data gathering



Data transmission
& storage



Data processing
& decision making



Digital Identity and Security



Defence and Security



Aerospace



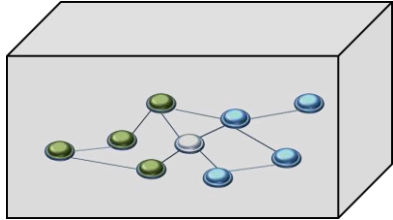
Space



Ground Transportation

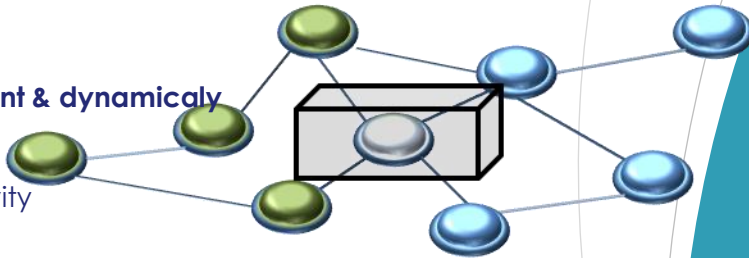
We help customers master decisive moments by providing
the right information at the right moment

Use case 1: Blending of Military & Civil networks



Yesterday's demand: single protected network-in-the-box, to provide 100% pre-specified connectivity and guaranteed bandwidth

Today's demand: **redundant & dynamically adaptable & threat resistant** network services
To provide 100% connectivity and sufficient bandwidth



Thales terminology:

- Disruption Tolerant Networking / Threat-resistant networks/ Concurrent Access / Military-Civil Interoperability / Mission Defined Dynamic Connectivity

Cyber security architecture principle: endpoint security and data security should not depend on carrier services !!



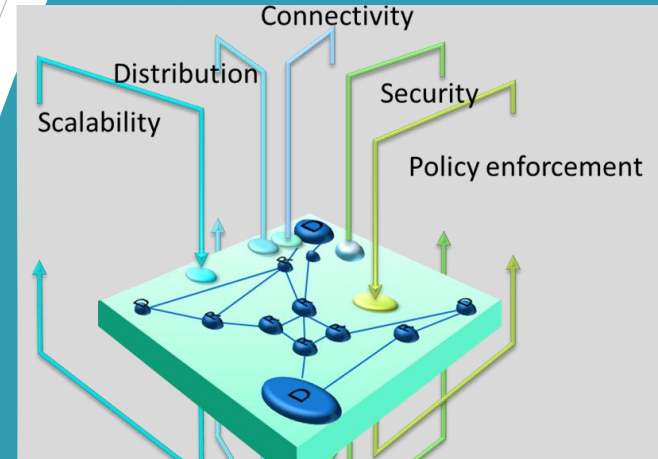
SOTAS: land-based, in-vehicle, portable (civ&mil), but also

SATCOM equipment (civ&mil) and

CRYPTO equipment (banking, gov-to-gov, multi-country-inter-company)

Use case 2: An SDMP (Secure Digital Market Place)

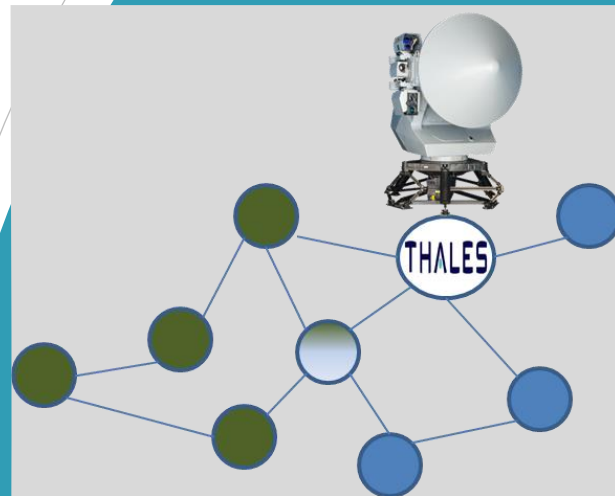
- A 'trusted & private place' on the Internet, where selected parties can share & process digital information
 - With a temporary or semi-permanent existence
 - Offered as a service and supervised by an independent 'market master'
 - **Business:**
 - Health & Utility Monitoring service
 - Continuous Evolvability service
 - **Trusted = {Secure, Transparent, Controlled}**
- *) SDMP only supports the 'closed market' paradigm



Automated control loops take care of the listed services. The 'market place' is a virtual place (a SDN)

Use case 3: Radar-4Hire

**Selling detection & tracking services ...
instead of the equipment**
(comparable with satellite imagery services)



In summary:

there are several realistic, business driven, use cases in the Defense industry, for which the SARNET results are highly relevant and applicable

