

Moving to Cloud in the EU

Practical solutions for Critical applications

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THALES Cyber Solutions, Products & Services PORTFOLIO TO Communications Intelligence ACCELERATE Communications Cybersecured

Cybersecured

Chain

Infrastruct

Infrastruct Land tactical Communications Electronic THE CRITICAL Warfare Systems Air Communications DECISION Cyber sensors CHAIN Naval Communications **SENSING** Airport Management Radio AND DATA & Security **GATHERING** Navigation & Identification Large Events & Crisis Management DATA Sovereign Networks TRANSMISSION & Critical Infrastructure **INFRASTRUCTURE** Protection DATA **PROCESSING** & DECISION Protected & Hybrid Satcom Urban Security & Mobility MAKING Theatre networks Critical Information Systems Private, Secured & Defence Clouds Intelligence Orchestration Joint Fire Support [樂] 888 Collaborative Combat Large System Integrator



Cloud adoption provides multiple benefits...



Resources mutualisation



Cloud native features



Resource on demand, 1-Click availability

But imply solving sovereignty related challenges...



Data Sovereignty

- Who has access to the data?
- Where is the data located and governed from?



Operational Sovereignty

- Who operates the system processing the data?
- Where is the data consumed from?

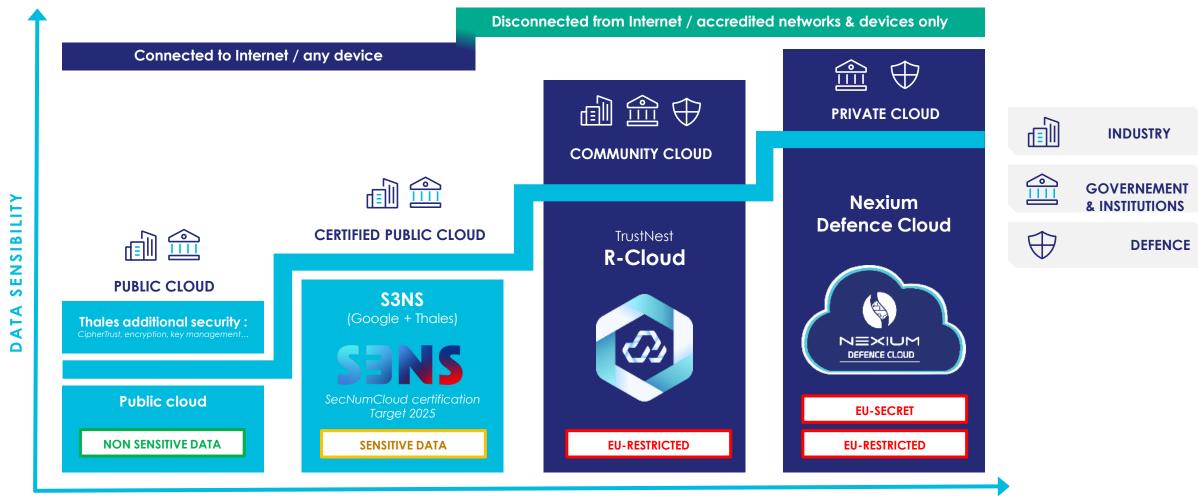


Risk Management

What are the consequences on the organization in data loss or data breach?



Data Sensitivity driven cloud adoption models



CUSTOMER CONTROL



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S3NS: Google Cloud Platform adjusted for Sensitive data







Technology Google Cloud

Localisation Operations

Security Contracting

SNES

Aiming for SecNumCloud 3.2

Target

Equivalent to Google Cloud Platform

1 – Same performance levels

Infrastructure identical to a GCP region

- 3 Datacenters with same specs
- Same hardware (dont GPU, TPU)

2 – Same Service Catalogue

Tout le catalogue de services laaS et PaaS de GCP* All laaS/PaaS GCP catalogue (excluding workspace) 3 – Quasi-synchronous updates

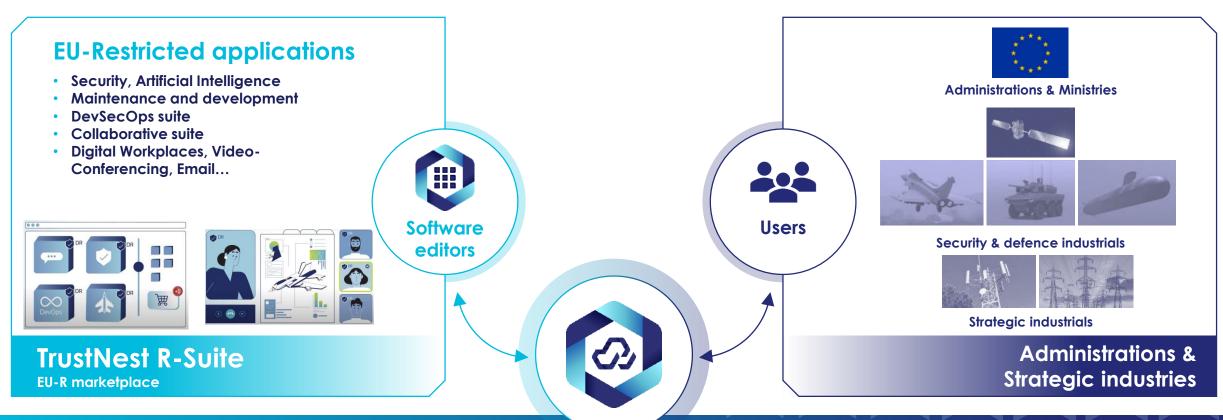
Continuous reception of updates, inspected then passed in production at the same tempo than the other GCP regions GCP



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TrustNest R-Suite: bring innovation and accelerate EU-R programs





TrustNest R-Cloud

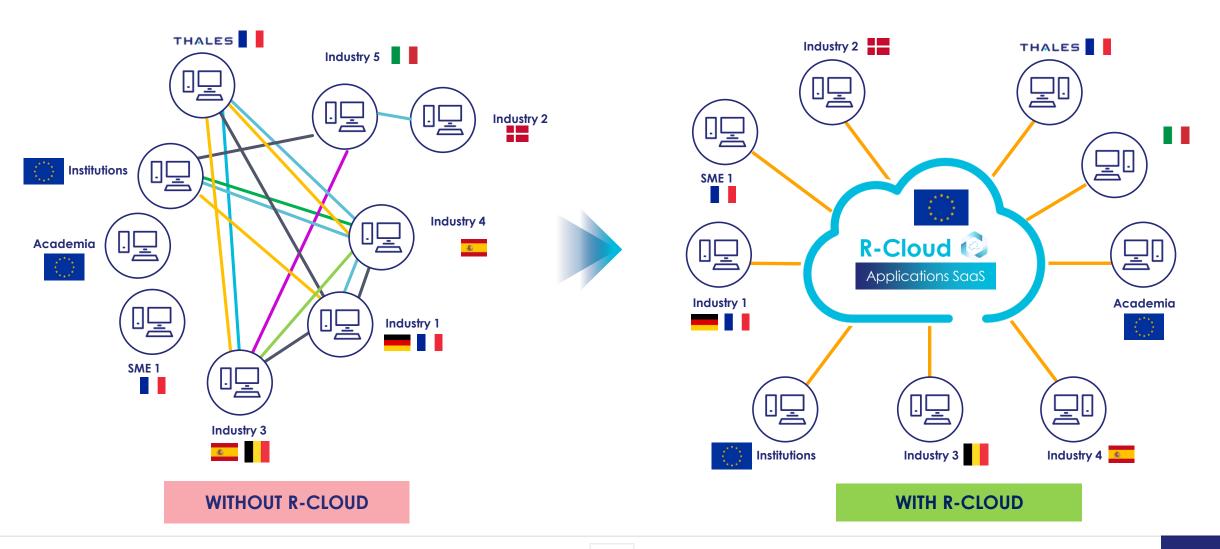
The collaborative cloud EU-R accredited



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Simplify EU-Restricted Ecosystem with European key-partners







Challenges in Defence



Deployable
Distributed & Disconnected

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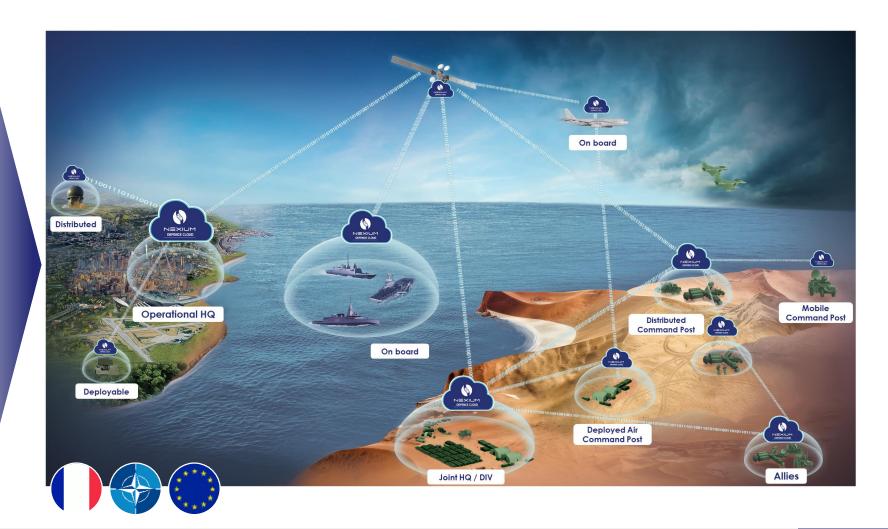
Resilience to Intermittent networks

Multiple classification Levels architecture

National encryption And key generation

Rugged Hardware Constrained SWaP & EW

Skill shortage Frugal IT skills on battlefieds





More than just a single cloud approach, Sovereign Clouds require consideration of Multiple Cloud adoption models driven by Data sensitivity, use cases and performance







Thank you

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More info about Thales

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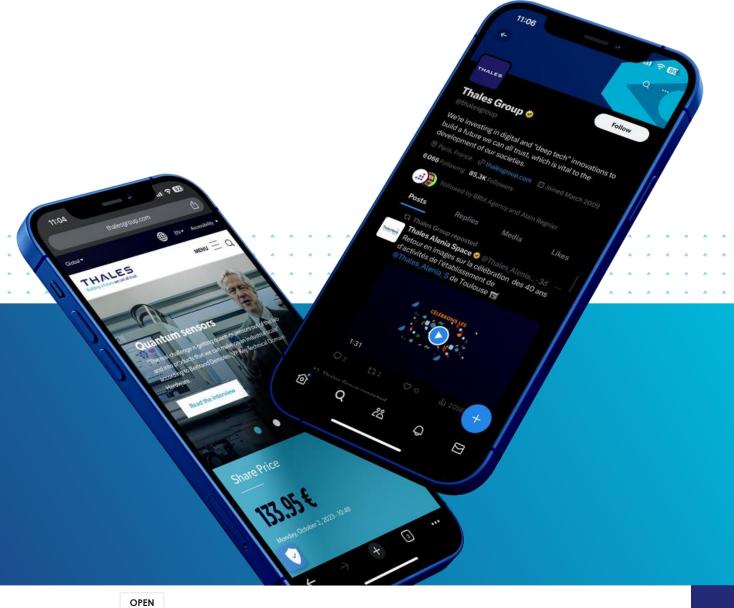
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