

# In a world where permanent evolution is key to success, we enlighten and partner with business leaders through their most critical decisions



Tier one clients leaders in their industry



2,800 professionals across 8 countries



Among the leading independent consultancies in Europe

#### **BUSINESS FUNCTIONS**

Strategy

Innovation management & funding

Marketing, sales & customer experience

People & change

Finance, risk & procurement

Operations & supply chain

#### **INDUSTRIES**

Financial services

Telecom, media & entertainment

Consumer goods & retail

Manufacturing

Energies & utilities

Transportation & travel

Real estate

Public sector & international institutions

#### **TECHNOLOGY**

Digital & IS strategy

Digital & emerging technologies

IT & data architecture

**Cybersecurity & digital trust** 

Paris | London | New York | Hong Kong | Singapore\* | Dubaï\* | São Paulo\* Luxembourg | Madrid\* | Milano\* | Brussels | Geneva | Casablanca | Istanbul\* Lyon | Marseille | Nantes

# **Cybersecurity & Digital Trust practice**

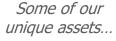
Building digital trust in your organisation is an essential enabler for success in the race for digital transformation

Examples of our engagements...



One international team of 500+ consultants









High-level view to deep expertise

- / Cyber-framework definition and oversight on a £800m cybersecurity programme
- Definition of APIs security governance and implementation of token generation platform



**Outcomes focused** 

TOM design and change management for DevSecOps at scale



**AMT Methodology** 

**CISO Radar** 



**Independence** 

Support for RFP processes for selection of SOC MSSP, EDR, xAST, PAM, IAM, etc.



Many and various R&D projects with results shared at international conferences

**2017**: DEF CON, Black Hat Europe, BruCON, HTIB, BsidesLV...

**2018**: DEF CON, HITB, GreHack, Bsides Lisbon...



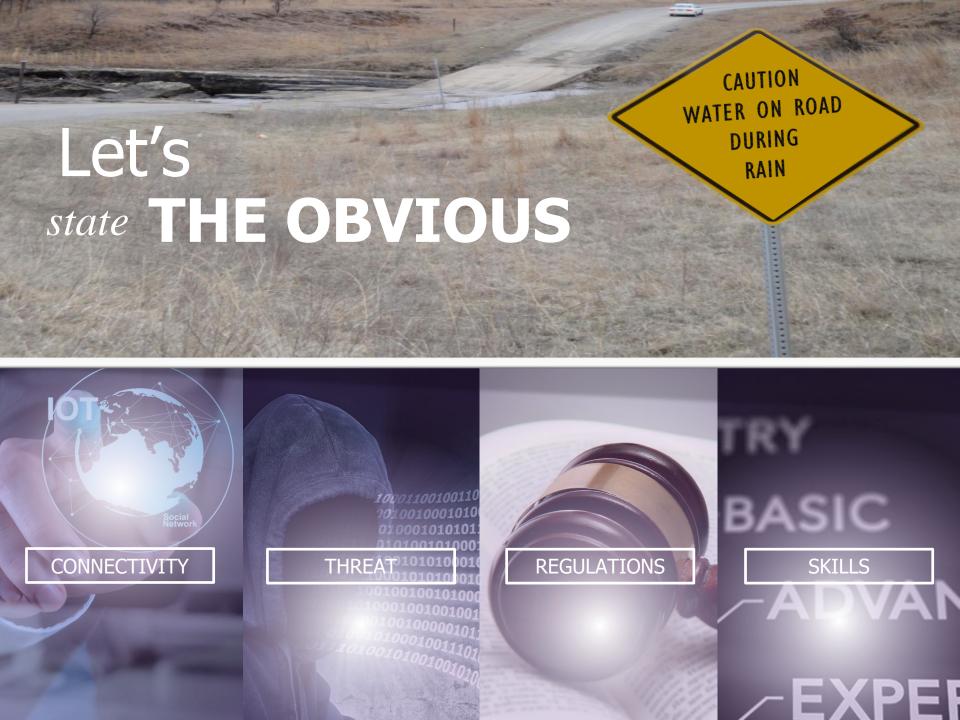






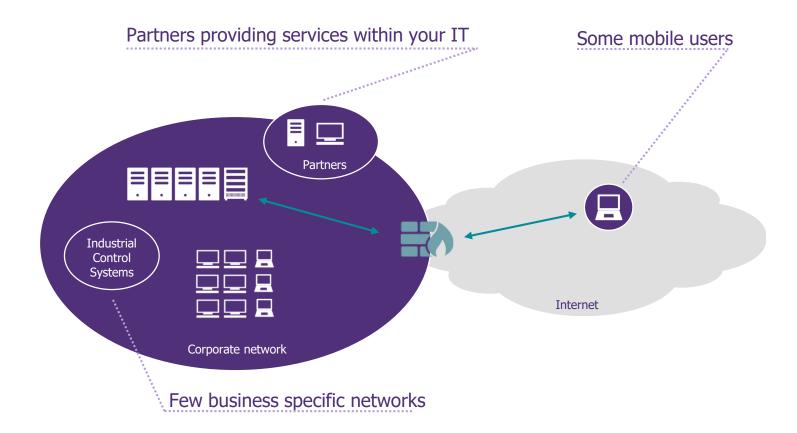


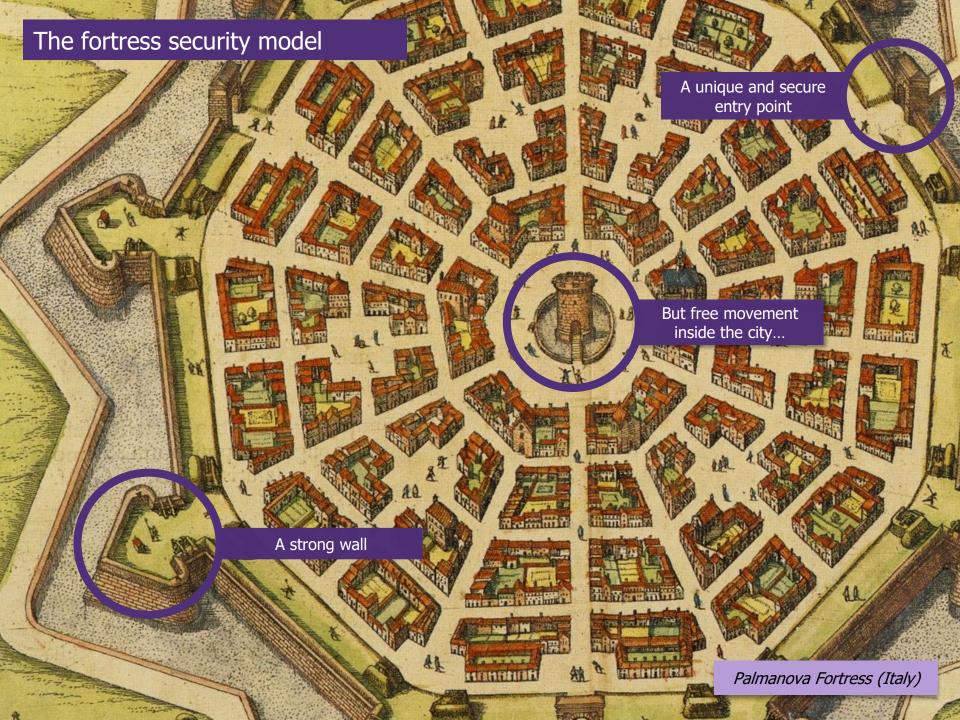




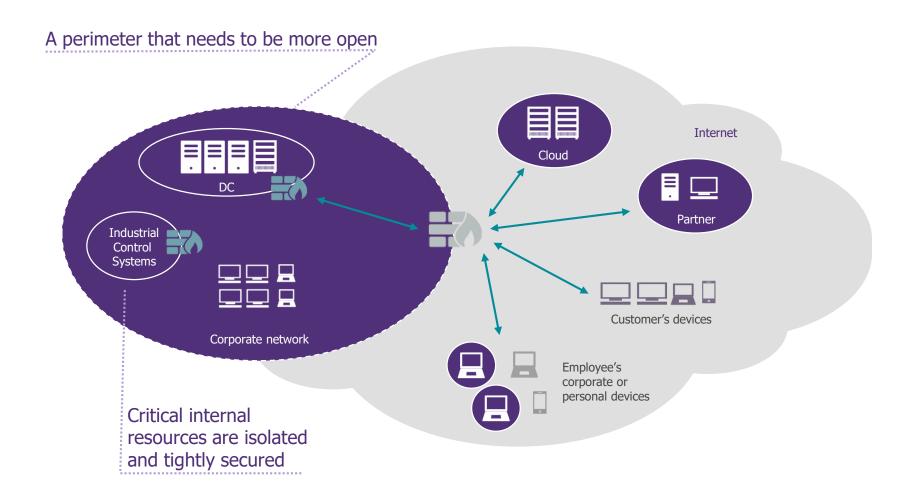


#### 1995 - 2005: A centralised IT estate





#### 2005-2015: An increasingly open IT estate



# The Airport security model Additional controls to reach the aircrafts Critical zones are highly controlled Airport hall is open by default Gatwick Airport (UK)



#### **Towards 2025**

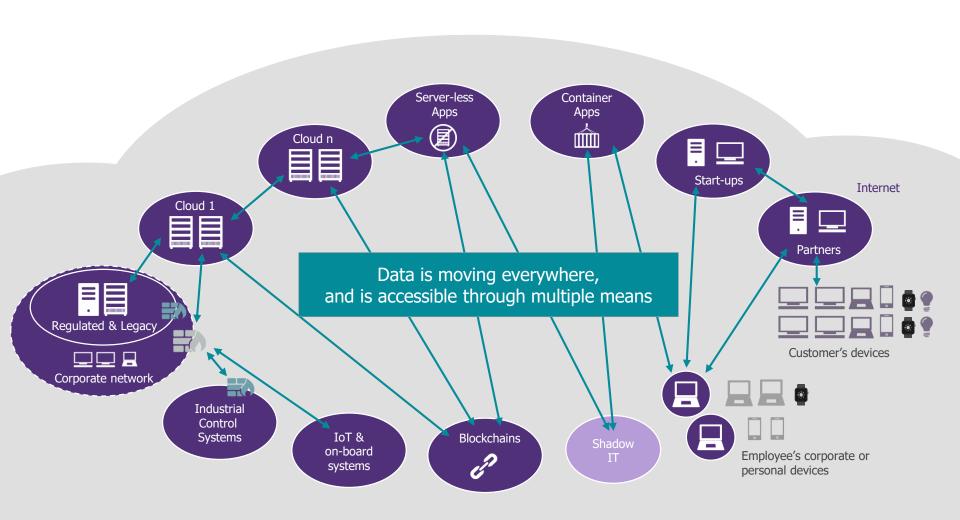
Cloud is a reality, even for critical business applications



Agile methods and DevOps are a reality

Current security approaches aren't keeping pace with this new paradigm

#### Towards 2025: a decentralised IT estate



#### A new model



With data everywhere



With apps executed by many third parties



Where you keep the responsibility to detect incidents and respond globally

#### A new security model: the Airline









MANY
AIRPORTS TO
TRUST



STILL RESPONSIBLE FOR MONITORING THE FLEET AND MANAGING INCIDENTS



#### AN AIRLINE...







CHOOSES TRUSTED
AIRPORTS AND
AIRCRAFT



ADJUSTS FLIGHT PATHS DUE TO WEATHER AND INCIDENTS



**COVERAGE** 



An airline focuses on the security of its passengers





#### Identify key assets and data

/ Ask your senior management and lawyers for the TOP 10

/ Empower the business with the ability to identify sensitive data (user-based labelling, etc.)



## Anticipate and understand security regulations

/ Build a regulation champion and watch cell

/ Facilitate regulatory compliance by adapting your current projects



#### Protect your data closely as possible

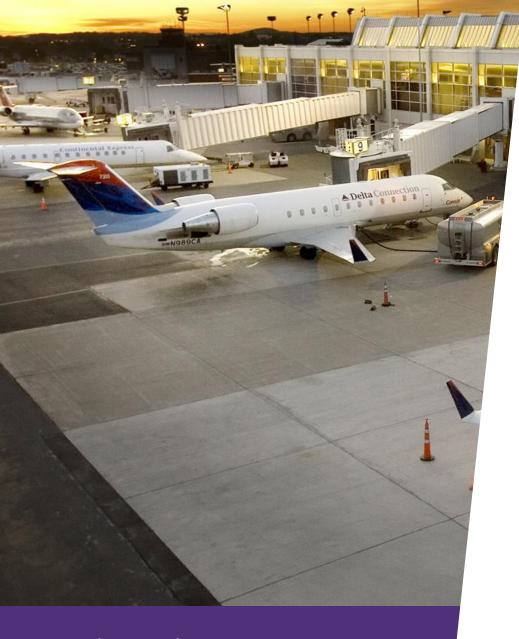
/ Enforce protection automatically measures on labelled data (eDRM, etc.)

/Take control of the generation and lifecycle management of encryption keys (CertaaS, KMS, Blockchain trust services, etc.)

1 Focus on critical & regulated assets



2 An airline chooses trusted airports and aircraft





#### Establish trust with Cloud providers

/ Assess trustworthiness with standard certifications (ISO, SOC etc.)

/ Consider CSA CCM initiatives



## Build your trusted environments for applications

- / Leverage cloud providers security packages and stores (Amazon/Azure, etc.)
- / Offer an API security platform using standard protocol (token broker etc.) to enable a secure micro-service model or use a CASB



#### Control and audit continuously

/Mix red and blue: grow a Purple Team /Consider Bug Bounty

2 Select and operate in trusted environments



3 An airline adjusts flight paths due to weather and incidents





## Extend identity and access management to all users and objects

/ Define API security governance framework to manager APIs lifecycle



#### Measure device conformity

/ Deploy conformity agents (MDM-like) on IT estate (end-point and servers alike)

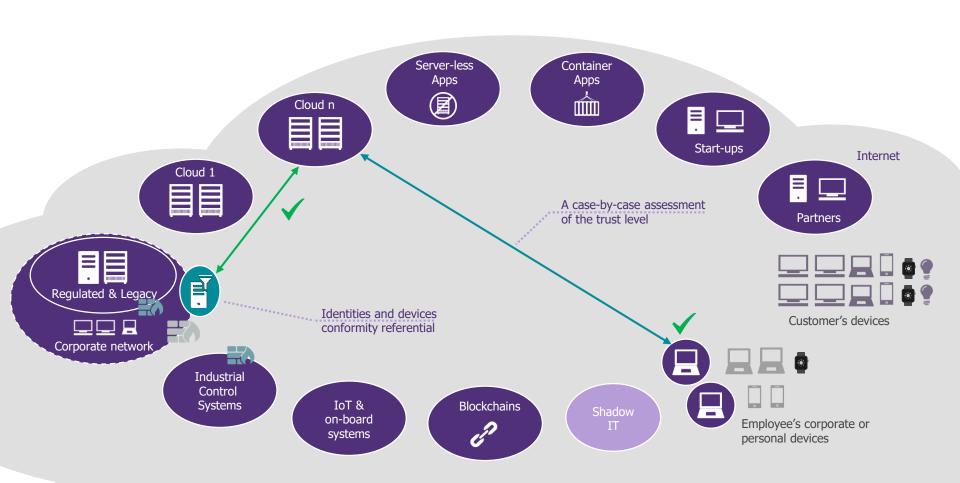


#### **Evolve your Operation Centre**

- / Fusion your usual xOC and augment it with anti-fraud-like reactivity
- / Enforce just-in-time access control based on identity, conformity, location, time, accessed data, etc. and defined policy

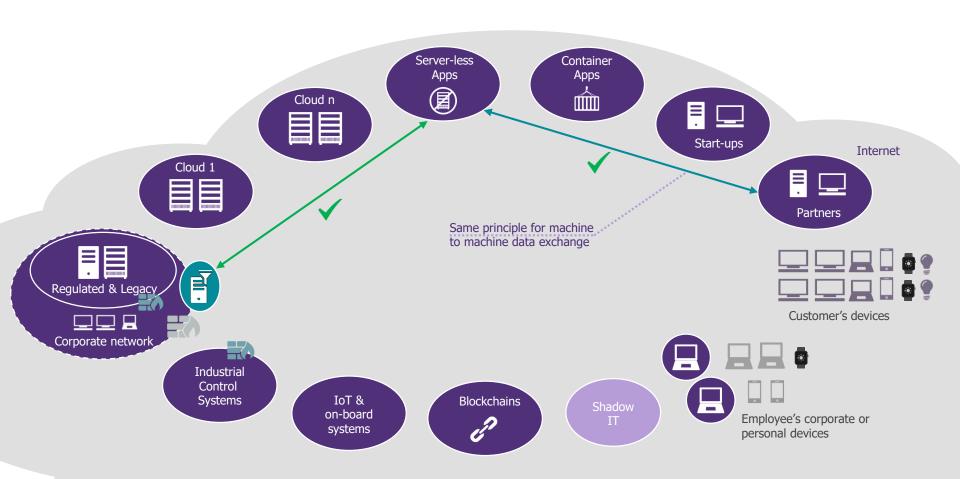
3 Protect dynamically

#### Applications dynamically allow processing depending on the trust level



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#### Applications dynamically allow processing depending on the trust level



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An airline expands its fleet and coverage



## Scale up your operating model and automate



## Move away from a consulting-based approach

/ Define and implement Agile/DevSecOps Target Operating Model and tools (security guild, evil user story, X team etc.)



#### Keep up with detection and response

/ Improve and automate detection (EDR, UBA, Machine/Deep Learning, etc.)

/Improve and automate response (SOAR, etc.)



#### Prepare to be cyber-resilient

- / Prepare to work without IT for 10 days
- / Reinforce crisis management capabilities (backup communication tools, floodgates, etc.) – and train
- / Prepare to have what it takes to rebuild
- / Test, test and test







MANY THIRD-PARTIES



RESPONSIBILITY TO
DETECT INCIDENTS AND
RESPOND GLOBALLY



WAVESTONE
the **AIRLINE**security model





ESTABLISH TRUSTED ENVIRONMENTS



PROTECT AND RESPOND DYNAMICALLY



SCALE UP YOUR \*\*
OPERATING MODEL
AND AUTOMATE

Mike NEWLOVE Florian POUCHET

**Gérôme BILLOIS** 

florian.pouchet@wavestone.com gerome.billois@wavestone.com

mike.newlove@wavestone.com

