

The Cyber Journey to Industry 4.0

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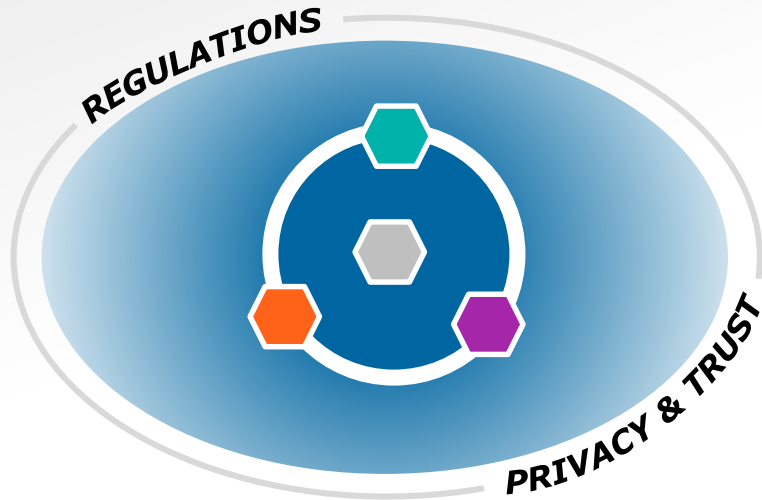
Introduction



Trusted partner for your Digital Journey

Atos

Our approach towards Digital Security is based in our four key pillars...



Advanced Computing & AI

- ▶ HPC
- ▶ Quantum
- ▶ Edge
- ▶ Analytics

National grade critical systems

- ▶ Critical communications solutions
- ▶ Command, control & intelligence
- ▶ Aerospace & defense electronics

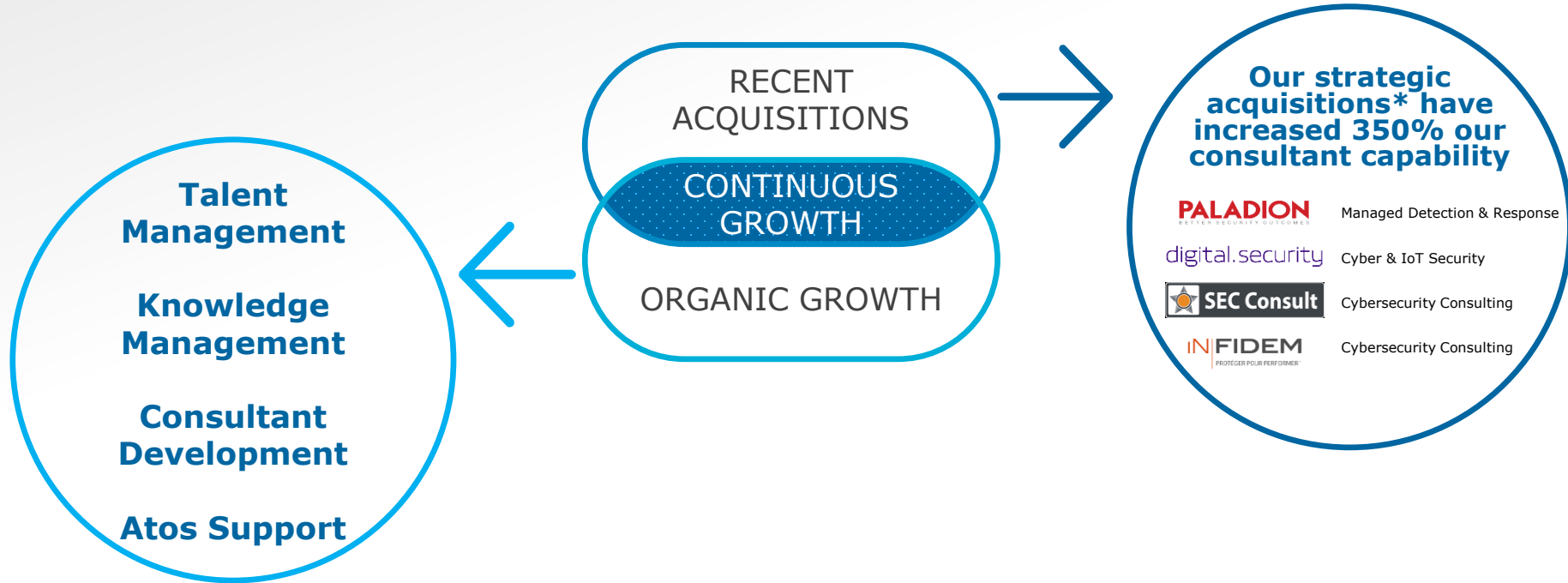
Global Security services provider

- ▶ Consulting
- ▶ Security integration & risk management
- ▶ Managed security services

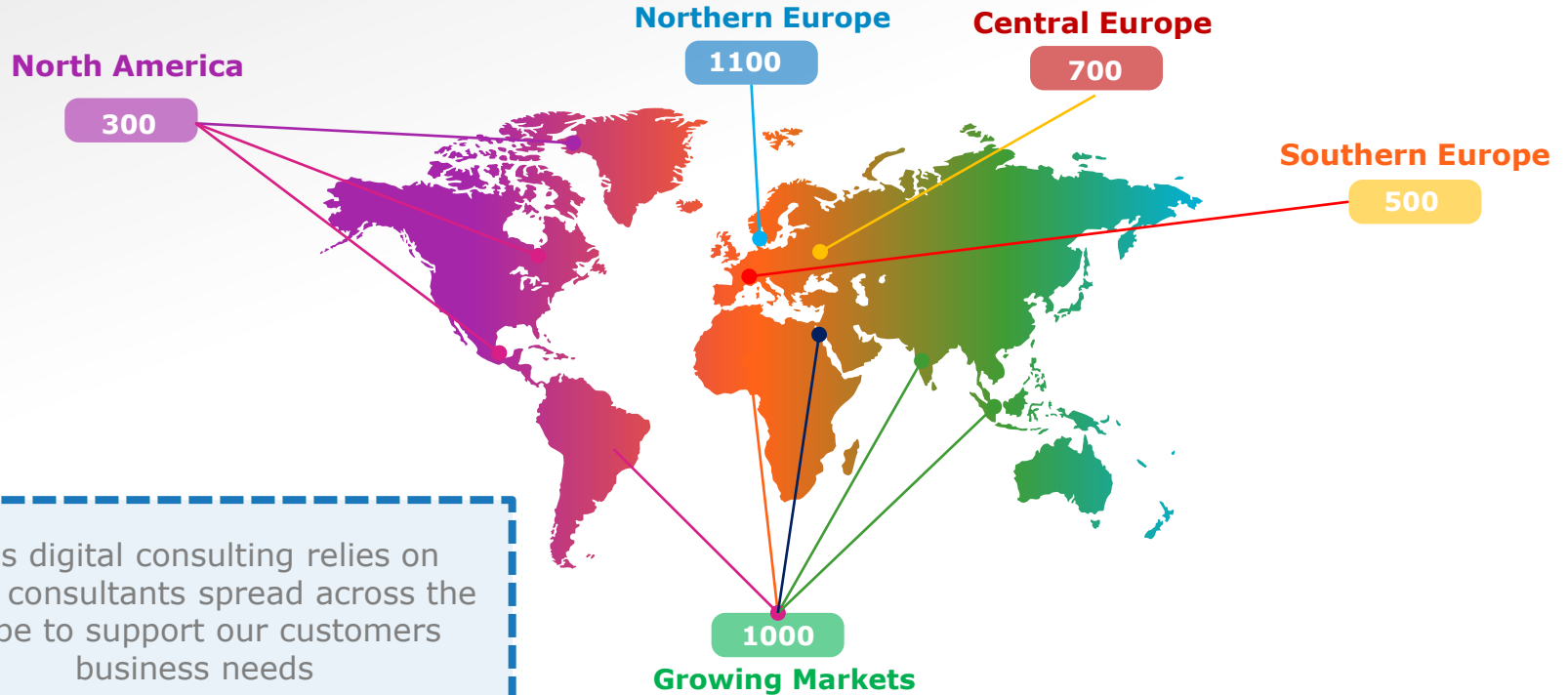
Security technology expertise (crypto, IAM, PKI..)

- ▶ Digital Identities
- ▶ Identity & Access management
- ▶ Data protection

Atos Digital Consulting is expanding



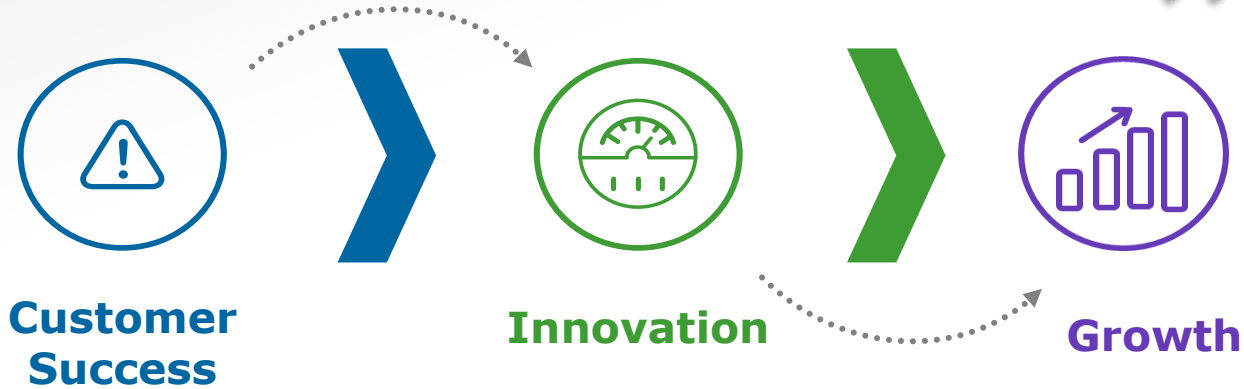
Atos Digital Security Capabilities are being delivered worldwide



Atos digital consulting relies on +900 consultants spread across the globe to support our customers business needs

Digital Consulting Strategy

“ Customers don't care how much you know before they know how much you care... ”



Building the Digital Security Identity



Customer Centric Approach



Digital Innovation



Accelerate Exposure

Atos Digital Security Talent Management



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Atos

Atos talent management seeks to continuously increase our consultants' capabilities



Atos University

Access available on laptop & mobile devices to all Atos Employees

Courses Highlight

Cybersecurity Academy / Security Consultant

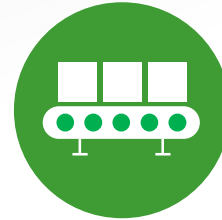


Cyber Academy

Meets business needs + Employee's individual Development Plan

Certification Highlights

CCSP / CISM / CISSP / Comptia CASP+ / SSCP



Atos OT Trainings

Available for Atos employees who seek to understand more the ICS environment

Course Highlights

From basic conversation to deep dive knowledge



Additional Resources

As part of our alliances and partnerships with our vendors

Highlights

Automation Academy / Google Cloud Program / Linux Academy

Atos knowledge of customers' needs

Innovation Tools



Innovation, Pen testing and
IoT Lab
AI Driven VM based on
AIsaac

Business Tools



Global & Local Marketplace
Customer Portal

Practice Tools



Consultant Portal
Report Generator
Intelligence Platform
Customer Relationship
Management

Continuously developing delivery and management infrastructure

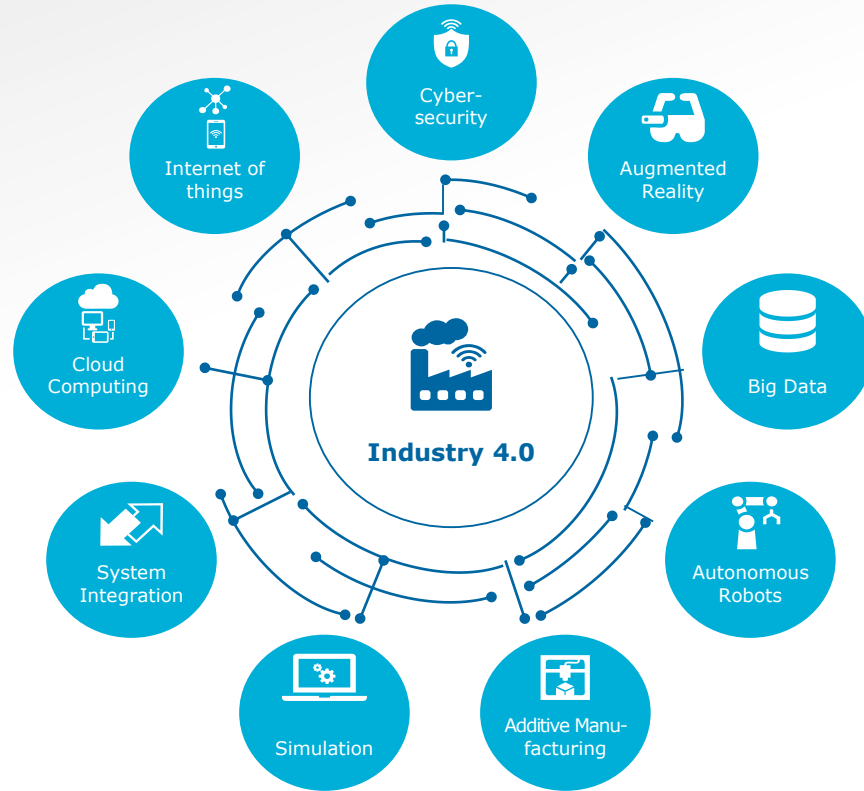
Atos Industrial Digital Journey



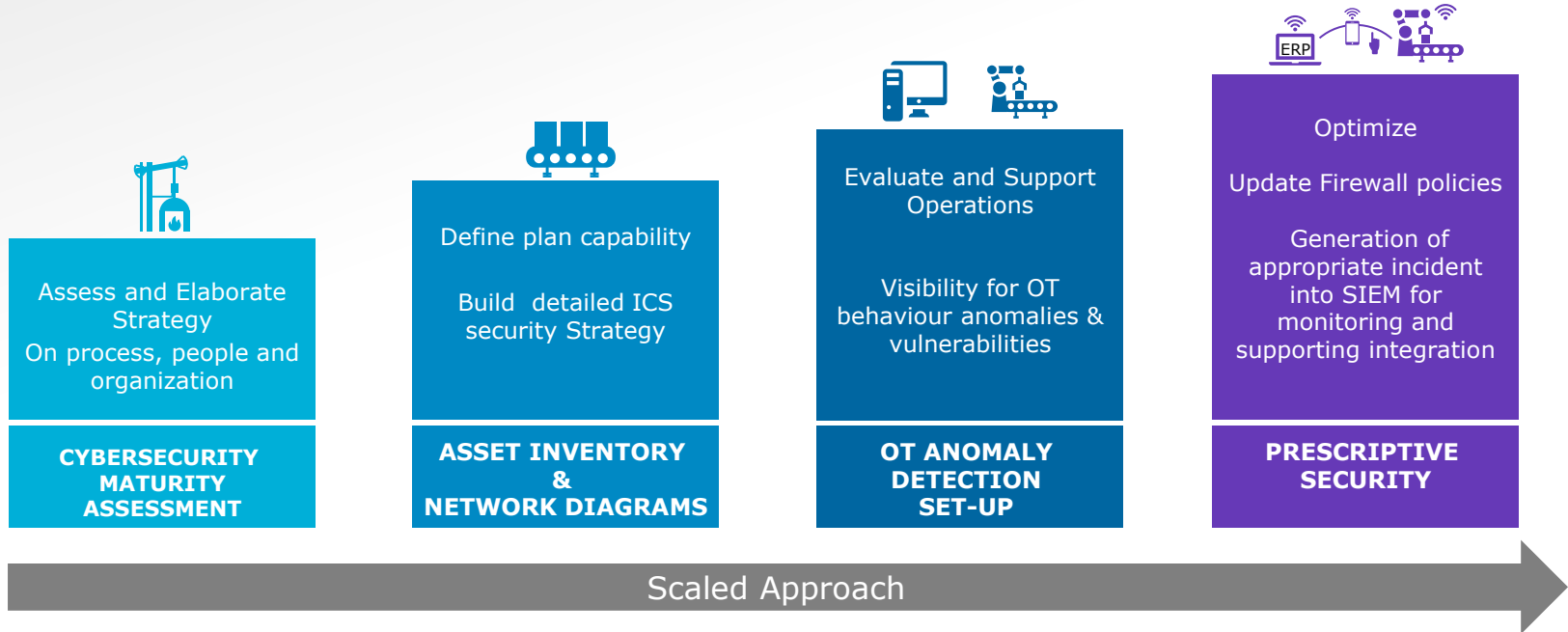
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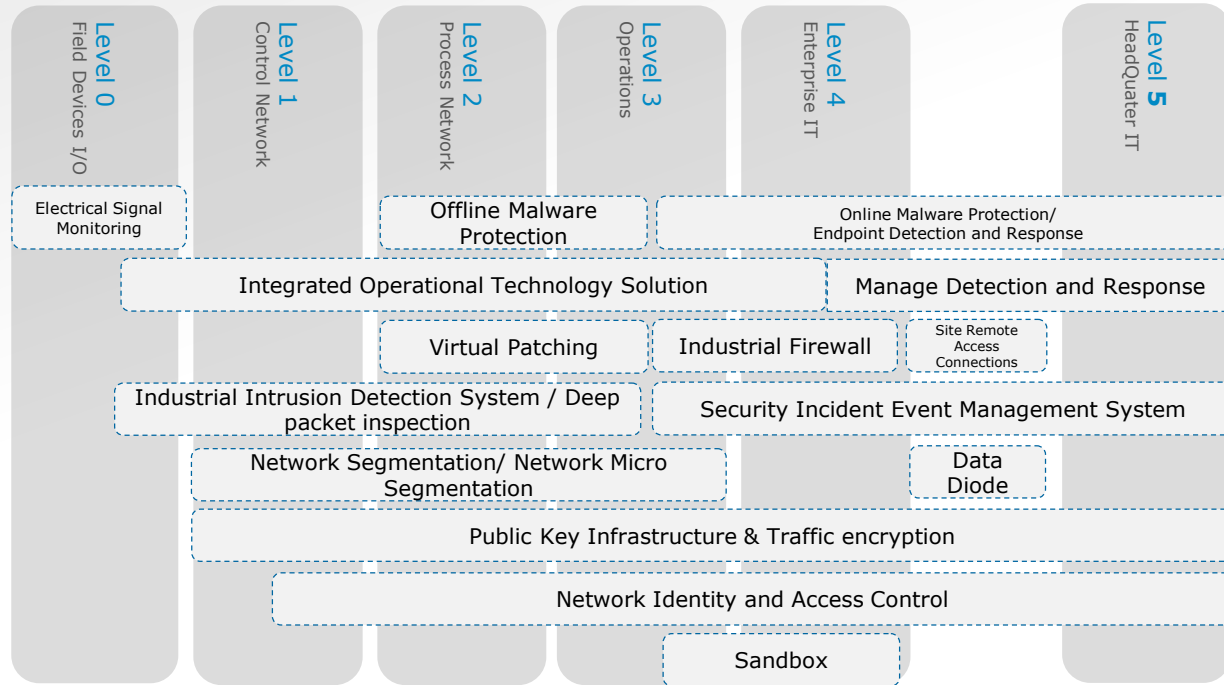
Industry 4.0 has gone globally



Atos Cyber 4.0 - Scaled Approach



OT security End-to-End: Layers and Security controls



Use cases



Our customers' challenges



GLOBAL TIRE MANUFACTURER

CHALLENGE: Have a visibility of the OT environment focusing on cyber and operational needs



ELECTRICITY GENERATION

CHALLENGE: Assessing the security risks related to the convergence of IT & OT



MARITIME TRANSPORTATION

CHALLENGE: Acceleration of industrial digital journey with security end-to-end



GOVERNEMENT AGENCY

CHALLENGE: Security Monitoring of critical infrastructure



AIR & SEA PORTS

CHALLENGE: Assessment of risks, architectural design, incident management and centralize OT security of manufacturing floor



AMUSEMENT PARK

CHALLENGE: Monitoring of OT/IoT/IIoT environment



BIOCHEMICAL MANUFACTURER

CHALLENGE: Secure end-to-end OT/IT environment monitoring through an integrated SOC



SPORT INDUSTRY

CHALLENGE: Monitoring of building management system in a stadium

Atos consulting services to all industries



Car Manufacturer

Risk Maturity Assessment and roadmap to increase the security posture for their USA and LATAM manufactories



Energy & Utility

Risk maturity, and critical assets and network visibility Assessment for their entire

DISCOVERY PHASE

ANALYZE PHASE

DELIVERY PHASE

Helping our customers with:

- Network devices configuration files
- Schemas
- Devices interconnexions
- Change, Incident and Problem management process
- Legacy versions of company OT assets

Key take away

SAFETY (AND
SECURITY)
COMES FIRST

VISIBILITY IS
CRITICAL

BRIDGE THE
GAP BETWEEN
IT AND OT

DETECT AND
MITIGATE
INDUSTRIAL
THREATS IN
REAL-TIME

OT SECURITY FUNDAMENTAL BUILDING BLOCKS FOR A
SUCCESSFUL SINGLE PANE OF GLASS
Understanding the differences

Thank YOU

For more information please contact
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Our portfolio for IoT and OT Security – Zero Trust for Devices

Transmission Security



Command and Control Integrity

Digitally sign message on-prem or as a managed service ensuring message authorization and authenticity

Secure Network Encryption

Encrypted communication tunneling for **secure transmission of data** preventing unauthorized disclosure and sensitive data spillage

Digitally Sign Firmware

Validate device change control through **code signing** on-prem or as a service

Zero Trust Infrastructure



Device Identity Management

Manage **device identity lifecycle of millions+ of devices** through portable, centralized solutions

Network Authorization

Secure network access for authorized devices. **Revoke unauthorized or cloned device** access in real-time to contain threats

Secure Key Storage

Managed or on-premises secure key storage for device PKI **virtually eliminates keystore vulnerabilities**

Atos MDR OT/IIoT



Threat Detection and Hunting

Telemetry from cloud, endpoints, network, users, logs, and your entire IT stack to **uncover cyber threats**

Containment & Response

Automate **threat containment** to stop the spread of attacks and reduce advanced persistent threat dwell time

Prescriptive Security Operations

Continuously **elevate security posture** through Atos' global experience, industry expertise, SOC teams, AI & Machine Learning