ALTEN

5G, BOOSTING INDUSTRY 4.0

ALTEN

Simplify and secure your OT (Operational Technology) and IT (Information Technology) flows with 5G

ALTEN, Bouygues Telecom Entreprises and Siemens Customer Services Digital Industries join forces to enable you to ensure very high-speed digital continuity for an increasingly critical IT/OT
A joint offer ALTEN – Bouygues Telecom Entreprises – SIEMENS that brings you:

- A deep understanding of industrial and telecom issues
- Customized solutions using technology bricks from the three partners
- A mature ecosystem of technology partners that can be easily integrated

CONNECT-COLLECT

- Multi-services data and voice network
- Secure flows
- QoS guarantees
- High speed and low latency
- Qualified and validated equipment

SECURE-PROCESS

- Interoperability
- Cybersecurity
- Edge computing
- Reliability and reactivity for crisis management
- Security by surveillance cameras

DEPLOY-OPTIMISE

- Real-time digital twin Robotics and automated internal logistics (robots, AGV, AMR...)
- Augmented operator (AR/VR, connected applications)
- Intelligent quality control with connected cameras
- Optimized resources management (energy, CO_2, waste, water...)

Support the integration of very high speed networks

Benefit from feedback on numerous use cases to find the best solution for your needs by deploying the best products on the market for a low-latency network and enabling mass connectivity

4.0 MATURITY AUDIT

- State of the art (digitalization & retrofit)
- Identification of relevant use cases
- Value proposals

CONNECTIVITY AUDIT

- Machine connectivity
- 5G coverage analysis
- Cyber vulnerability analysis
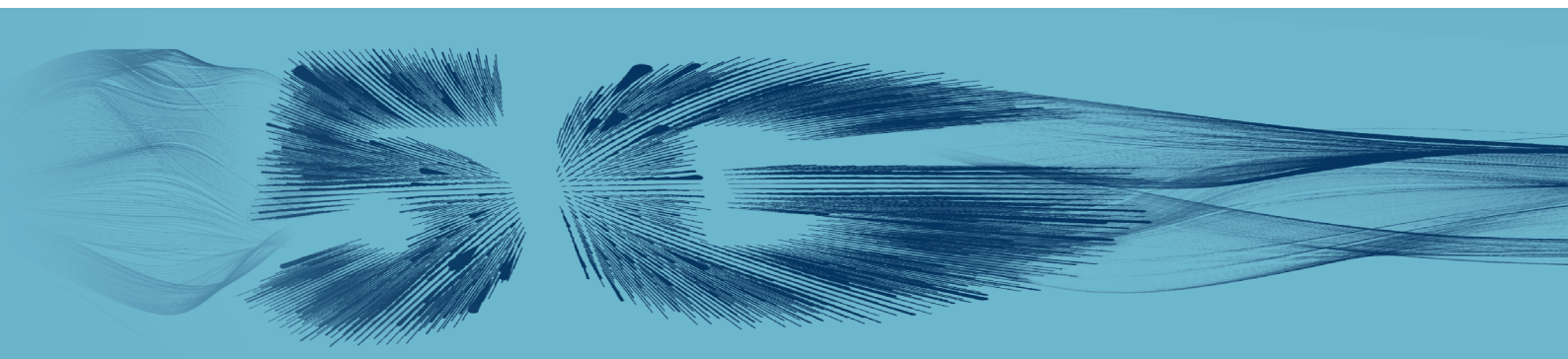- Definition of the Industrial IoT (IIoT) roadmap

TEST & LEARN

- Identification of KPIs on use cases
- Realization of POC/POV
- Definition of the deployment roadmap

DEPLOYMENT

- Industrialisation
- Optimisation
- ROI tracking

To go further:

Three showrooms to support our customers in the digital transformation of their industry through 5G innovations and their use cases

DEC INNOVATION CENTER
BY SIEMENS

Demonstrators in the field of Manufacturing and Process industries
Automation & Industrial IoT technologies

INNOLAB
BY BOUYGUES TELECOM ENTREPRISES

5G Demontrators for the Enterprise
Telecom & 5G Technologies
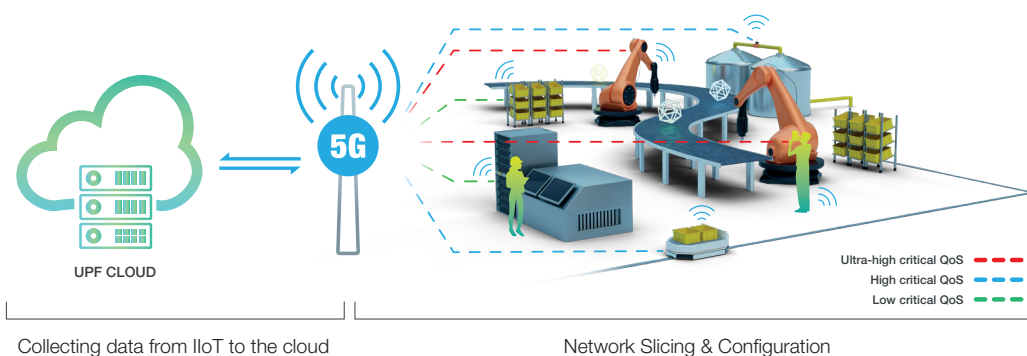

ALTEN LABS
BY ALTEN

Factory 4.0 demonstrators IT/OT convergence and 5G technologies

The advantages of 5G for critical flows in Factory 4.0

Thanks to Network Slicing type functionalities, 5G allows to manage critical flows:

- QoS control through bandwidth reservation and definition of classes of service adapted to each type of flow
- Security control through:
  - Enhanced security compared to 4G/Wifi networks
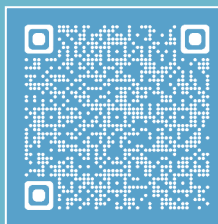 - Segmentation into sub-networks with specific rules per flow

Finally, 5G brings a multi-service network with controlled OPEX and without billing to the SIM

UPF CLOUD

Ultra-high critical QoS
High critical QoS
Low critical QoS

Collecting data from IIoT to the cloud

Network Slicing & Configuration

LEARN MORE ABOUT OUR OFFER

CONTACT
Steve PEGUET - steve.peguet@alten.com