## Capgemini Cengineering

# CAPGEMINI ENGINEERING: YOUR KEY PARTNER TO ACCELERATE YOUR DIGITAL TRANSFORMATION WITH NEXT GENERATION PRIVATE 5G NETWORKS

Private networks are using dedicated resources to support a closed user group within a specific geography. These rely on a standalone local on premise network with a dedicated spectrum (licensed, unlicensed, or shared). Private 5G networks enable the delivery of enhanced capabilities tailored to your specific business and industrial application requirements.

#### Bringing the enhanced capabilities ... and delivering it in a means that and benefits of 5G... is tailored specifically to your needs Device Private 5G density Ultra-low Capabilities tailored to your specific latency Seamless requirements mobility Reliability Ubiquitous coverage for your ••> operational site(s) Ease and speed of implementation Security within days

Private 5G can enable value-adding use cases that can improve operational efficiency, reduce downtime, waste and damage, and drive greater agility for your business using advanced predictive maintenance, real-time asset tracking and inventory management, precision monitoring and control, etc.



Discrete manufacturing



Process g manufacturing

performance



Automotive



New revenue stream through

neutral hosting

Oil, gas and mining

## WHY CAPGEMINI ENGINEERING?

We are a long-standing partner to innovation leaders across industries. We drive **Intelligent Industry** strategy to support your business.

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		г		Т	Information technology enterprise
	Consultative services			1	IT services
	<ul> <li>Systems integration and verification of networks and applications</li> </ul>		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	) <b>от</b>	Operational technology
	Deployment services		- {\\crightarrow }	SOI	Operational technology Industry business solutions
	<ul> <li>Maintenance and operations</li> </ul>				-
	<ul> <li>Monitor performance and adherence to KPIs</li> </ul>				
		L	-	) NT	Network technology Communications solutions, Communications ER&D

### **HOW WE DELIVER 5G-ENABLED INDUSTRIAL TRANSFORMATION**



#### Vertical expertise

- Manufacturing engineering and technology
- Advanced connectivity and 5G
- Data-driven ER&D
- Industry 4.0 and product life cycle management



#### **Consultative services**

- Problem and business goal definition
- Business and product requirements
- Services engagement plan, implementation timeline, and ROI



### Ecosystem enablement

- Private 5G ecosystem as a service, including solution integration and validation
- Reference architecture design services
- Application use case capabilities across 11 industries



#### **Application enablement**

- Development of network-aware software applications that leverage 5G, SDN, and AI/ML
- Device-aware, network-aware, service-aware, and application-aware software capabilities
- 5G network and edge cloud frameworks



#### **Integration services**

- End-to-end IT and OT systems integration and verification, continuous delivery of software
- Deployment and integration of monitoring and management tools for infrastructure and apps



#### **Managed services**

- Multi-protocol, 24/7 cross-platform support, including remote monitoring and management
- Service design and operations, infrastructure maintenance and SLA management

## MAXIMIZE THE BUSINESS VALUE THAT PRIVATE 5G CAN DELIVER, WITH MINIMUM RISKS

Capgemini Engineering brings private 5G from discovery, development and design to proof of concept across different environments, depending on what stage your enteprise is. We rely on key assets:

Innovation discovery	Use case development	Interoperability	On-site proofs
and exploration	and acceleration	testing and validation	of concept (POC)
The Capgemini Engineering 5G lab-as-a-service accelerates the project and operational readiness of your end-to-end 5G network solution.	Capgemini Engineering's 5G industry-focus lab enables you to develop tailored industrial use cases.	The Capgemini 5G Lab-as-a-service accelerates the project and operational readiness of your end-to-end 5G network solution.	It allows you to demonstrate proof of value in a live environment and processes in your own premise.