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The bridge to possible

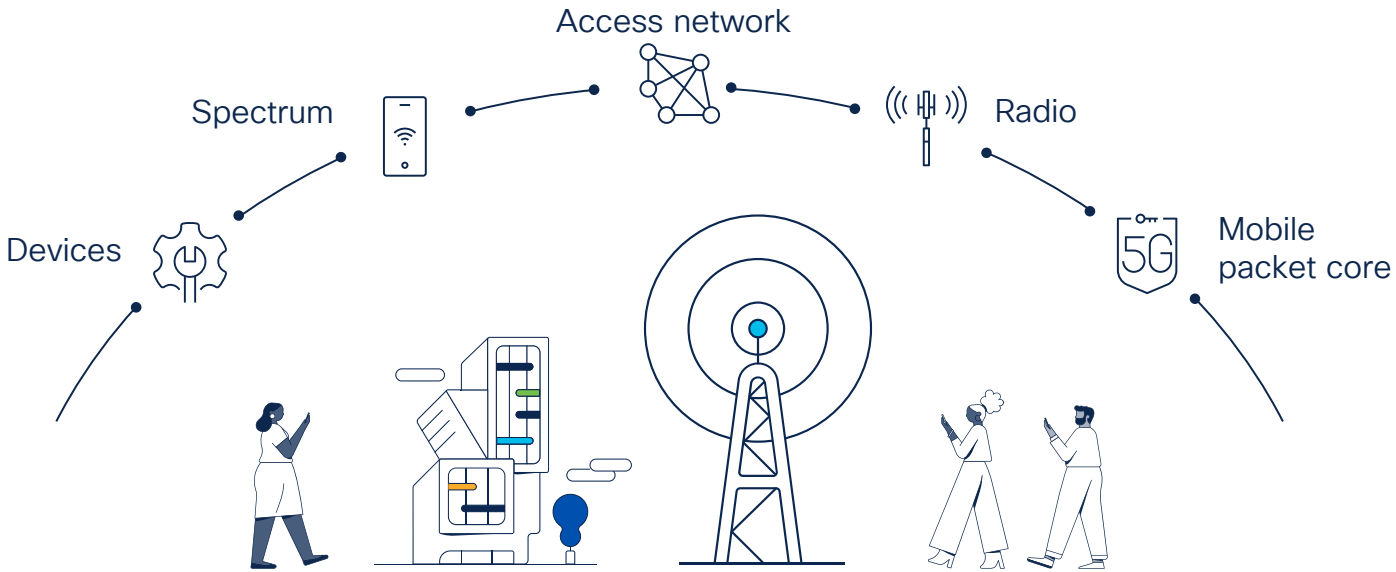
Unlock Business Outcomes From Connectivity With A Private 5G Solution

PK Sharma, Leader, Partner Managed and as-a-Service Sales
@PapaKilo5500

Chris Medrano, CTO, Partner Managed and as-a-Service Sales

PSOGEN-1033

What is Private 5G?



A private cellular network that is built using 3GPP 5G technology, dedicated to carrying traffic from a specific entity (e.g., an enterprise) in licensed radio spectrum

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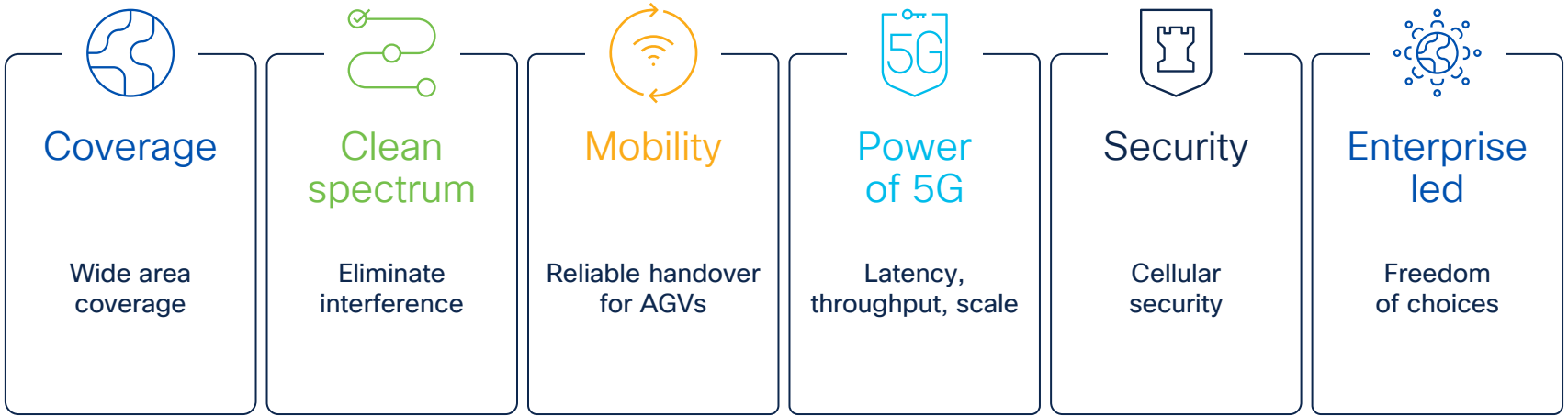
Private 5G Super Powers



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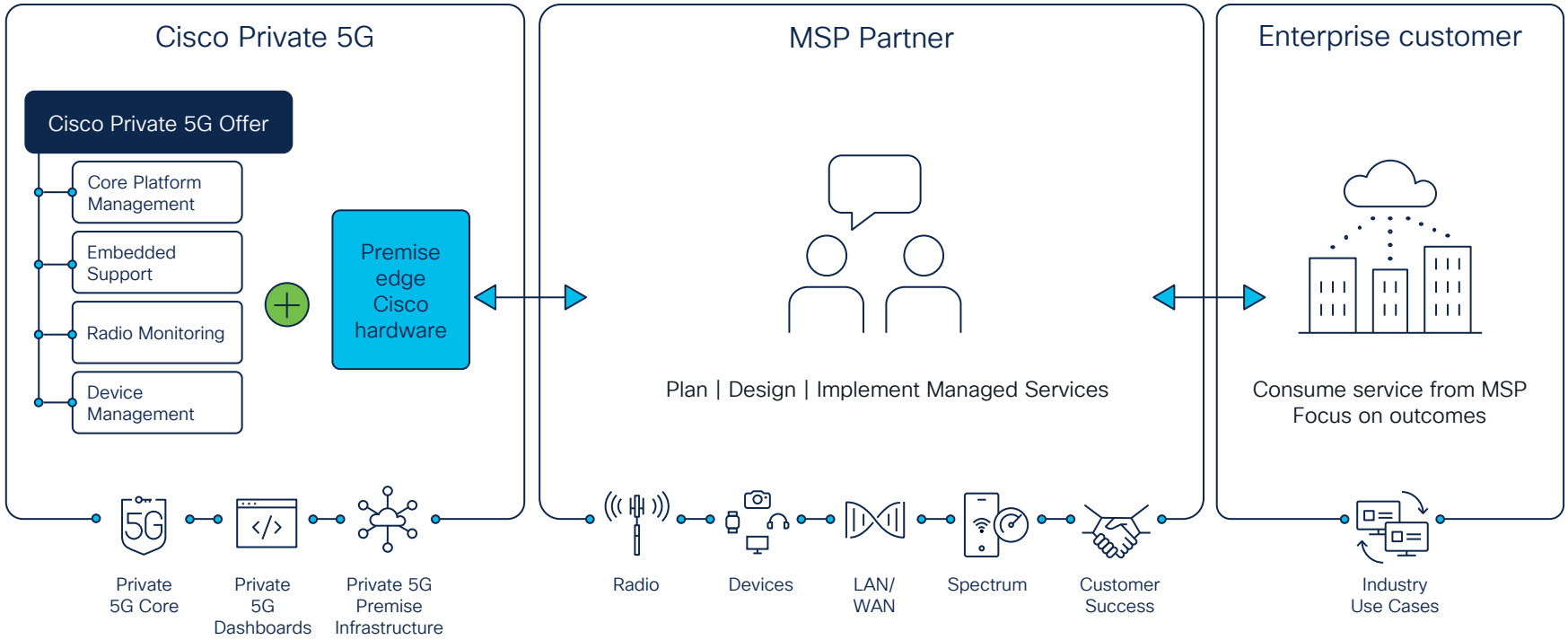
Managed Cisco Private 5G

Private 5G-enabled, E2E solution by partners



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IoT is everywhere!!

It is the heart of the business

Manufacturing

Vehicles and fleets

Oil and Gas pipeline

Roads and intersections

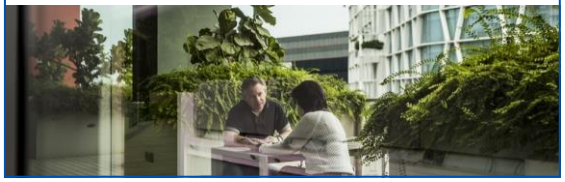
Kiosks/Vending machines

Substation

Warehouse/Distribution

Ports/Hubs

Venues/Hospitality



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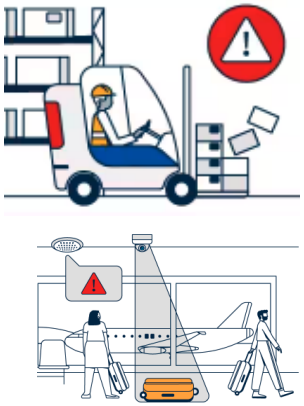
Current Technology Trends in Manufacturing IoT

New Tools & Processes (e.g. Robots, AGVs, Automation)



Safety and Compliance, Video Intelligence

AR/VR Devices, Sensor Networks

Cross-Wireless Connectivity, Focus on Security

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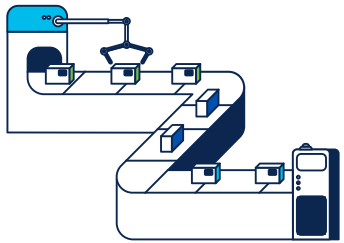
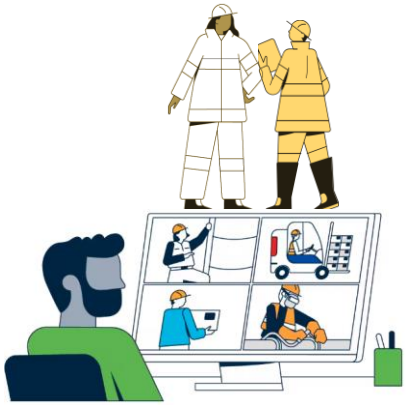
Current Challenges in Manufacturing

Increasing pressure to improve productivity and efficiency



Rising costs of production

Increasing demand for connectivity between devices and systems



On-going need to improve safety for factory workers

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5G can help overcome these challenges by...

Improving communication & collaboration between machines and devices

Enabling the use of advanced technologies such as IoT, AI, & AR/VR

Addressing increasing demand for connectivity between devices and systems

Precise tracking of workers and assets, and monitoring correct tool usage

Industrial digitization requires enterprise applications to communicate with all production assets.

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Potential Business Outcomes from Private 5G

- Reduced factory line downtime
- Accelerate digitization and digitalization
- CapEx, OpEx reduction from simplified network

Improved OEE
(Overall Equipment Effectiveness)

- Improved maintenance
- Reduced employee costs
- Reduce Capex, Opex
- Increase Asset Life

Reduce Costs

- Faster time-to-market
- Increased revenues for custom products
- Realtime inventory optimization
- Asset tracking/visibility

Innovate Faster

- Reduce employee accidents
- Improve worker safety
- Reduce Costs of Quality
- Use correct tools

Improve Safety

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Drive Business Outcomes with Private 5G

Target Industry Verticals and Use Cases

Manufacturing and Industrial IoT

Logistics/ Distribution/ Warehouse

Transportation

Hospitality and Venues

Energy and Utilities

Government

Higher Education/ R&D Campus

Healthcare

Mining

Oil and Gas

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Drive Business Outcomes with Private 5G

Illustrative Business Outcomes and Impact

	Manufacturing and Industrial IoT	Logistics/ Distribution/ Warehouse	Energy and Utilities
Utilities	- 5% to -8 %	Negligible	-0.5% to -5%
Purchases	-0.5% to -1%	-1% to -2%	-1% to -5%
Wages	-6% to -8%	-4% to -7%	-2% to -7%
Other Costs	-6% to -8%	-1% to -3%	-1% to -4%

	Hospitality and Venues
Current Revenue	+4% to +10%
New/ Incremental Revenue	4% to 10%
Wages	-1% to -4%
Other Costs	-0.5% to -2%

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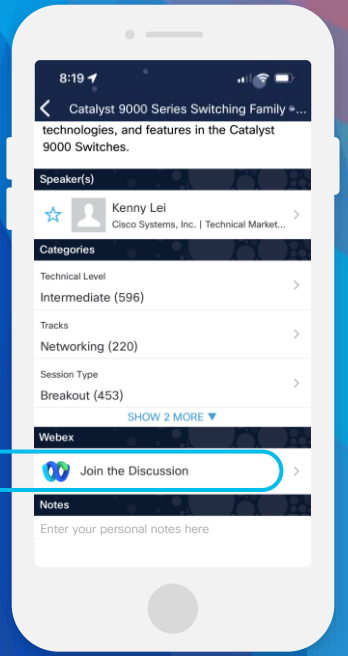
Webex spaces will be moderated by the speaker until June 9, 2023.



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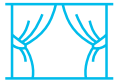

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IBOSPG-2007 - Getting started with Private 5G

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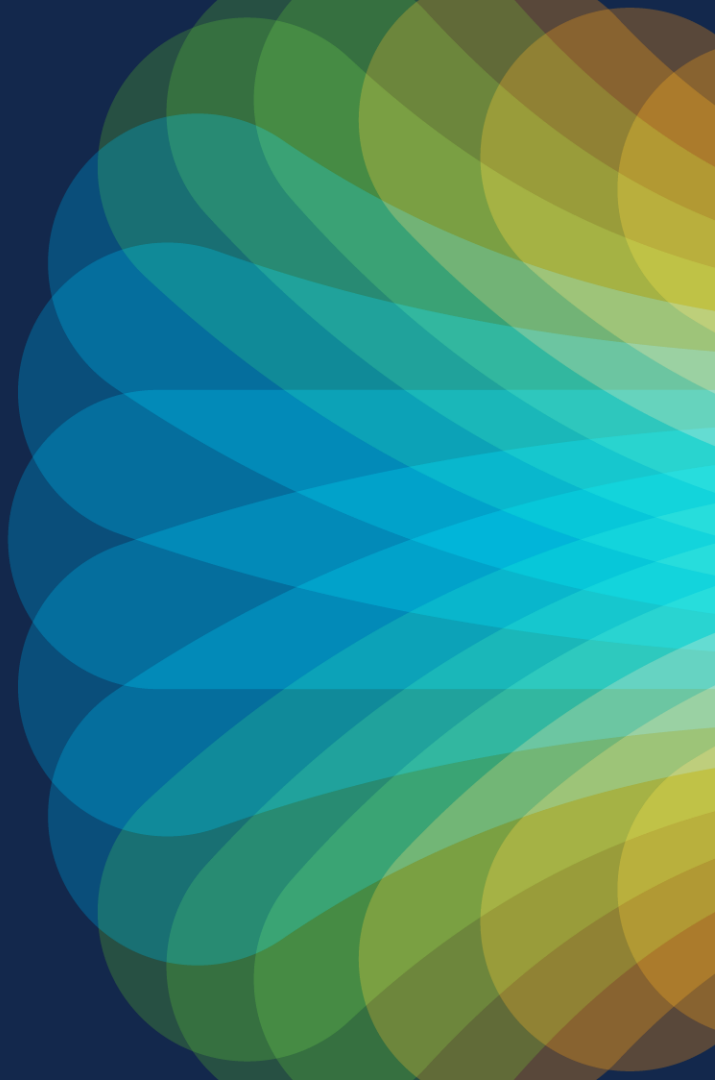
Thank you



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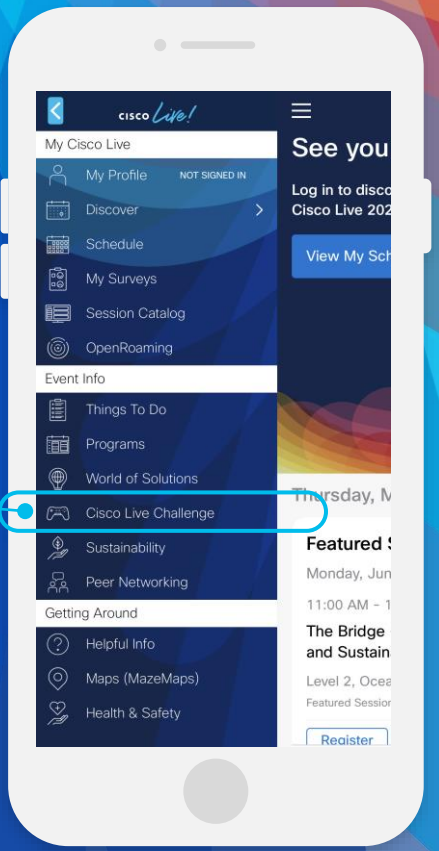

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