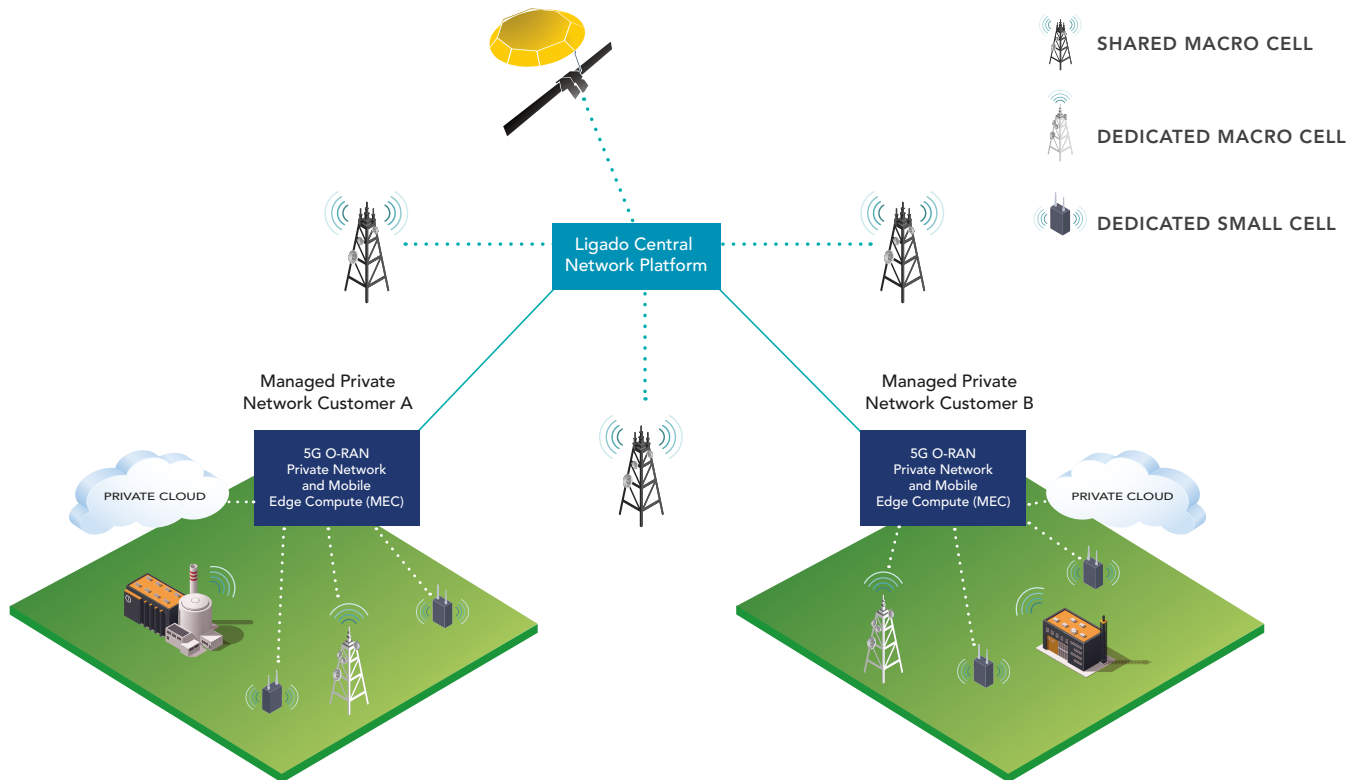**ligado** NETWORKS | Making Stronger Connections

The scale of a public network.
The security and customization of a private one.

As businesses modernize their operations, they need connectivity that is flexible, highly secure and ultra-reliable. Enter Ligado's 5G Mobile Private Networks solution, which will give companies the tools to support enterprise digital transformation.

LIGADO 5G MOBILE PRIVATE NETWORK SOLUTION

SHARED MACRO CELL

DEDICATED MACRO CELL

DEDICATED SMALL CELL

Ligado Central Network Platform

Managed Private Network Customer A

Managed Private Network Customer B

5G O-RAN Private Network and Mobile Edge Compute (MEC)

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PRIVATE CLOUD

PRIVATE CLOUD

Critical components of the Ligado 5G Mobile Private Network Solution

1. Dedicated and licensed lower midband spectrum provides a "zero trust" security-first solution across an enterprise location or campus. 3GPP-defined band combinations create seamless integration with CBRS and other bands, enabling scalable high performance.

2. Key network components are localized at the enterprise location, but expertly operated by Ligado's AI-powered central management platform ensuring secure, internet-independent, optimized network performance with customer-determined control:

• Leading-edge 5G O-RAN licensed lower midband network infrastructure and enterprise-grade devices

• Mobile Edge Compute (MEC), with integrations to leading enterprise cloud platforms

3. Off-site connectivity via terrestrial and satellite wide area network layers dedicated to private network customers, extending enterprise private mobile coverage and reducing public network exposure.

5G Mobile Private Network Applications

HOSPITALS

On-Premises Private Network

Provides dedicated, highly reliable and secure 5G connectivity throughout the hospital campus, allowing hospitals to transform the critical components of healthcare and enable a new health ecosystem.

Off-Campus Mobility

Continued connectivity for outpatient healthcare, virtual consultations, remote patient monitoring, ambulance dispatch and intake. Connect multiple hospital campuses, urgent care centers and surgery centers with separate but interoperable private networks.

PORTS

On-Premises Private Network

Private Network fulfills need for greater logistical efficiency, increased security and asset control. 5G Mobile Private Networks enable manifest uploads, cargo operations, security and surveillance, autonomous transport and the management and monitoring of intermodal cargo and containers.

Off-Campus Mobility

Provides secure connectivity as goods travel to port, both on land and offshore. Multitenant interoperability for rail, shipping, and commercial trucking.

PIPELINES

On-Premises Private Network

Dedicated licensed spectrum strengthens inherent security of mobile private networks assuring un-interfered and internet-independent operation for critical operations.

Off-Campus Mobility

Operators access sensors and actuators at key control points as well as monitoring equipment and field staff across extensive linear mileage through a full coverage 5G mobile network.

MINING

On-Premises Private Network

Leveraging licensed mid-band spectrum for small cell deployments, 5G Mobile Private Networks allow for seamless below and above ground coverage in geographies that wouldn't otherwise benefit from 5G networks at all. Operations become safer and more productive with the introduction of real time condition monitoring, smart ventilation and autonomous operation and inspection of equipment.

Off-Campus Mobility

Haulage of mined material is tracked and managed from extraction to delivery off premises, over the shared, non-public 5G network, optimizing fleet productivity and minimizing downtime, ensuring maximum profitability.