

PRIVATE NETWORK SOLUTIONS

How can Enterprise Benefit from Comba's 5G Private Network Solutions?

Accelerating Adoption of Private Wireless Networks

As mission-critical industries—including manufacturing, mining, utilities, logistics, and the public sector—prioritize secure, high-performance, and dedicated connectivity, demand for private wireless networks continues to surge.

Dell'Oro Group's April 2025 report shows Private Wireless RAN revenues grew by more than 40% in 2024, now representing approximately 3–5% of the global RAN market. Growth is increasingly driven by wide-area and industrial-scale deployments, which are outpacing traditional campus networks. With a \$20B+ enterprise RAN opportunity still largely untapped, private wireless is rapidly establishing itself as one of the most attractive and high-growth segments in the telecommunications ecosystem.



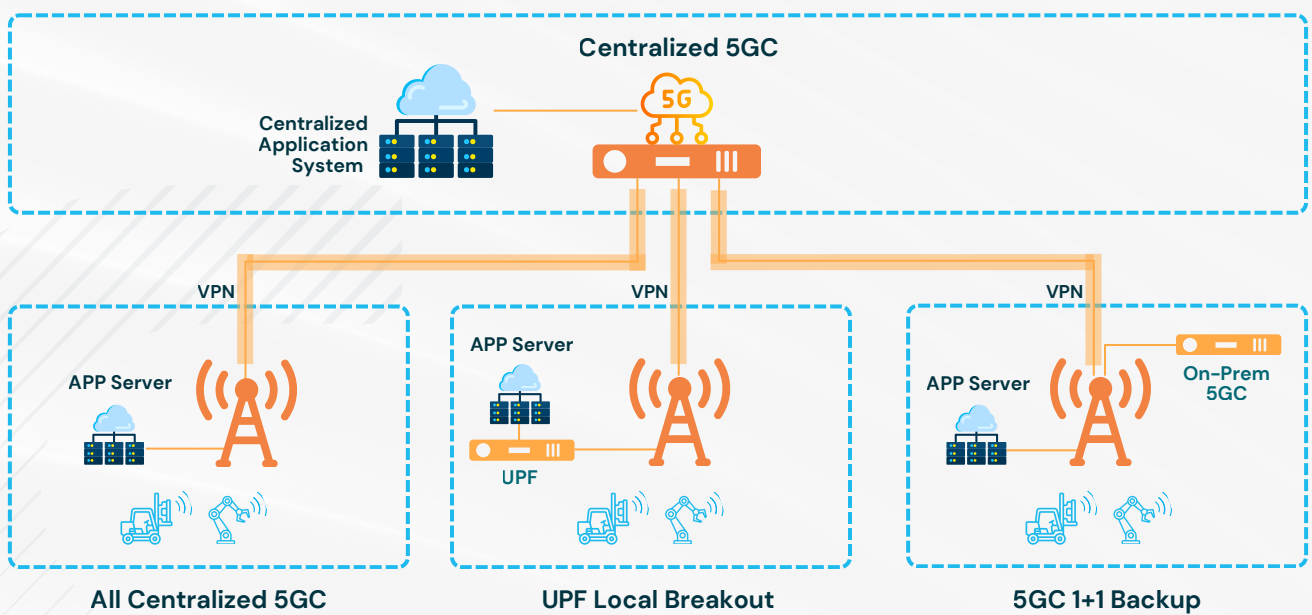
BENEFITS

- ✓ Increased Operation Efficiency
- ✓ Enable New Ways of Working
- ✓ Enhanced Data and Information Security
- ✓ Leveraged Know-how
- ✓ Uplifted Workplace Safety
- ✓ Lower OPEX

01 Embrace Flexibility

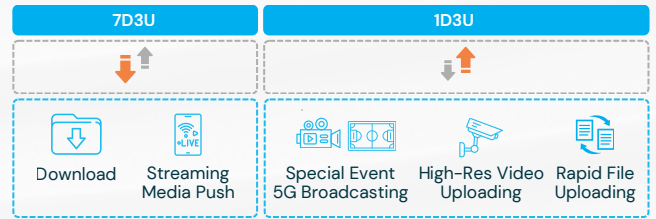
Flexible on-Premise and Centralized Deployment

Comba's private network solutions support various networking methods, including centralized 5GC and UPF local breakout, offering customers tailored networks that align with specific needs and budgets.



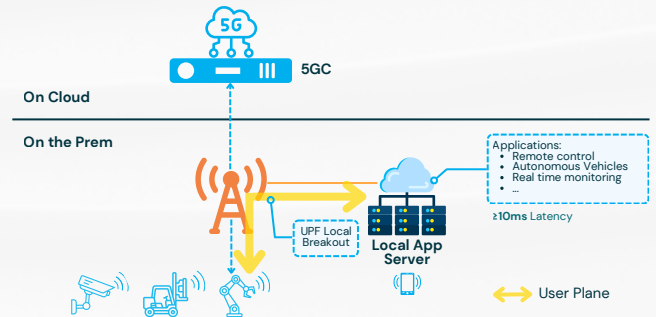
02 Match the Demand Uplink Enhancement

Comba's RAN software supports multiple TDD patterns, like 7D3U and 1D3U, to handle high uplink demands for applications such as video monitoring and machine vision.



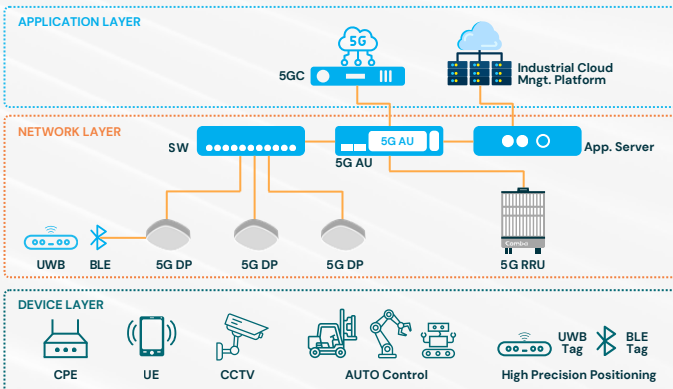
03 Cut the Latency Local Breakout

Local breakout directs traffic to a local server for immediate processing, achieving single-digit millisecond latency. This enhances reliability in real-time decision-making for autonomous vehicles and industrial automation.



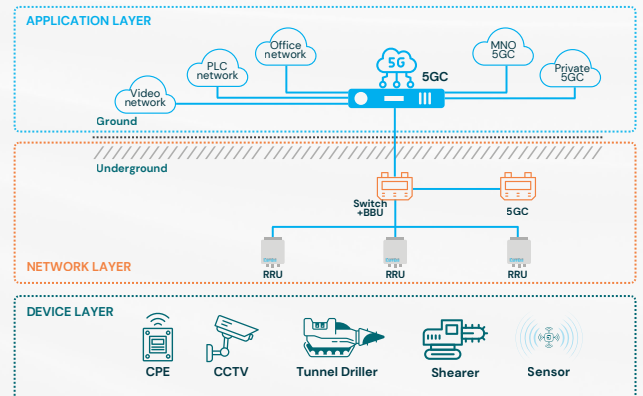
Application Scenarios

• Manufacturing



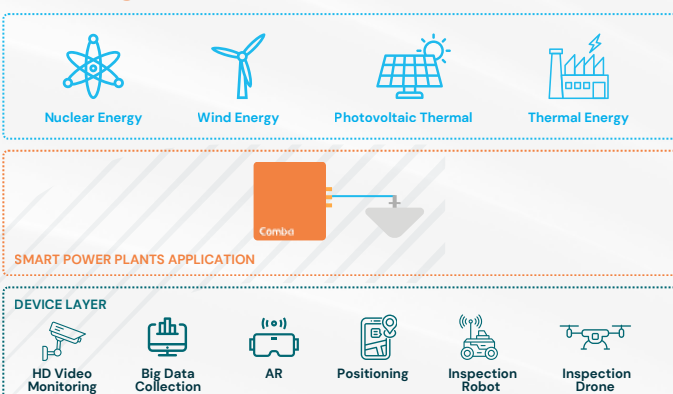
- ✓ Low Latency
- ✓ Enhanced Bandwidth Utilization
- ✓ High Security
- ✓ High Reliability

• Mining



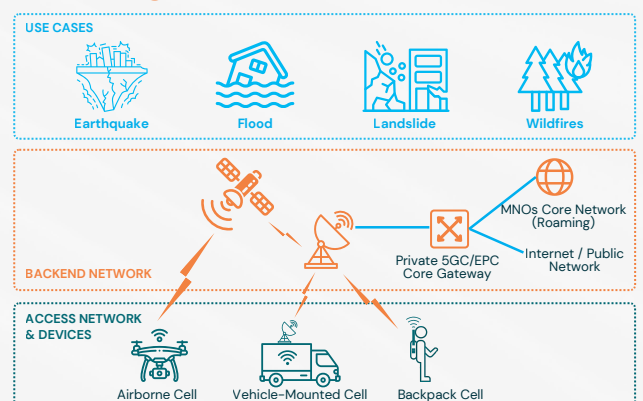
- ✓ High Security
- ✓ High Reliability
- ✓ Rugged Equipment
- ✓ Explosion-proof

• Energy Sector



- ✓ High Security
- ✓ Radiation-Resistant Equipment
- ✓ High Reliability

• Emergency Communications



- ✓ Rapid Deployment
- ✓ High Resiliency
- ✓ Seamless Coverage
- ✓ All-MNO Access

Enabling Communication to Connect People.

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