



# Advanced Private 5G for Business-Critical Connectivity

ALE cutting-edge Private Wireless solution is designed to provide secure, high-performance connectivity. Engineered for vast and complex environments, this solution addresses the dynamic needs of modern enterprises, ensuring reliability, scalability, and seamless integration with the network infrastructure.

**ALE Private 5G solution delivers secure, low-latency LTE/5G connectivity for critical systems, solving coverage, mobility, and QoS challenges in vast spaces enabling agility and reliability.**

## **Empowering Critical Operations for Seamless Connectivity with Private 5G**



### **Connectivity for mission-critical devices**

Private 5G ensures seamless connectivity for mission-critical devices such as robotics, automated guided vehicle or worker communication tools offering unparalleled reliability and low latency.

### **Support of AI Applications**

A Private 5G network can handle the huge data demands of AI applications providing the performance and reliability needed for real-time processing and decision-making in advanced AI-powered operations.

### **Wide Outdoor Coverage**

The solution is ideal for large outdoor areas, offering extended coverage & connectivity for industrial sites, campuses and other expansive spaces.

### **Limitation of Public Cellular Networks**

Unlike public cellular networks, Private 5G offers quality, coverage and security ensuring a reliable connectivity within your premises, especially in areas where public network might fail.

### **Complex Indoor Environments**

For uncarpeted, high-interference deployments such as warehouses or large production areas, Private 5G can meet the demand for coverage and performance.





### Interference-Free Spectrum

Guarantees **consistent, disruption-free performance** in environments with heavy wireless congestion.

### Low Latency

Enables **real-time responsiveness**, critical for industrial and business applications.

### Deterministic Connectivity

Provides **predictable and reliable network behavior**, ensuring seamless operation of critical systems.



## Enhanced Security

Offers advanced **SIM-based authentication** and complements **the Zero Trust Network Access capabilities of ALE's LAN and WLAN portfolio**, delivering a unified security framework.

## Tailored for Enterprise needs

Designed exclusively for enterprises, ALE's Private 5G solution provides industry-specific features with the **flexibility to scale** according to the business size and needs.

# Pioneering the Future of Private Wireless Networking

The partnership between ALE and Celona brings together 2 innovative leaders to transform how enterprises leverage private wireless solutions for the digital age.

By **combining ALE's expertise in Networking with Celona's groundbreaking 5G technology**, this collaboration sets the stage for enterprises to embrace Industry 4.0 with confidence.



## Some use cases



Point of Sales (PoS) apps in **public venues** such as **stores or stadiums**



Autonomous **guided vehicles** (AGVs)



Workers **communication** & safety devices



IoT **sensors** & **Digital Twins**



**Robotics** in hazardous environments



Wireless security **cameras** for surveillance & **safety**



**Factory** automation

**ALE Private 5G offer is a turnkey solution delivering simplicity and flexibility**

**5G AP and SIMs:** a comprehensive portfolio of 4G(LTE) and 5G radios designed to provide high-performance wireless connectivity

**Edge appliances:** serves as the private LTE/5G core, providing the essential network functions to support enterprise devices, applications, including network slicing capabilities to prioritize critical applications.

**Orchestrator:** a cloud-native management platform that simplifies the deployment, monitoring and operation of the private 5G network.

