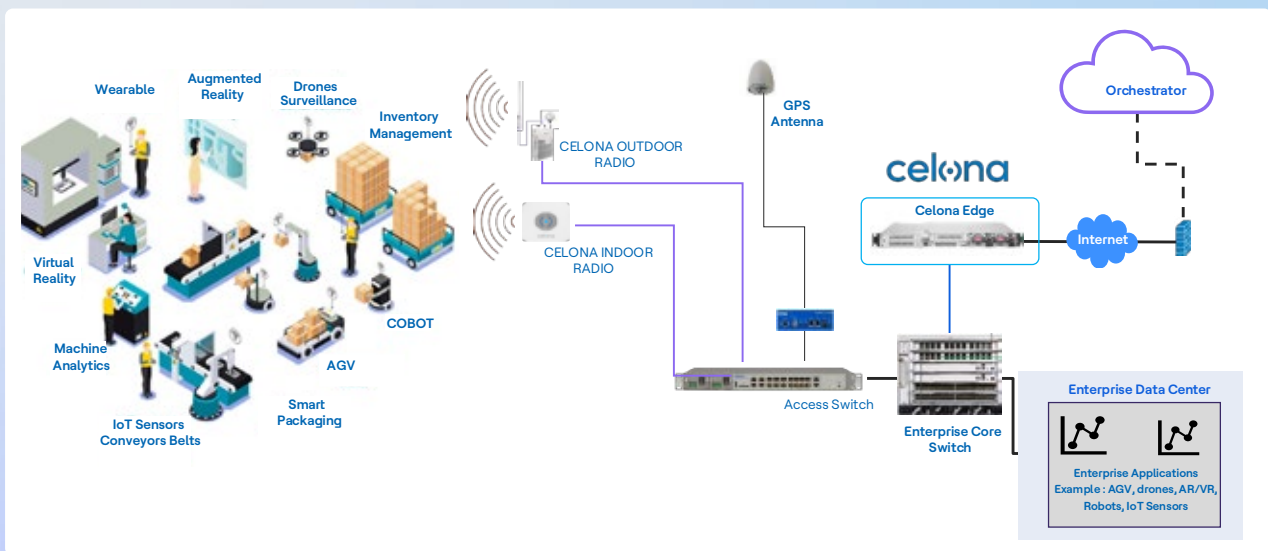


Private 5G solution for diverse industrial verticals



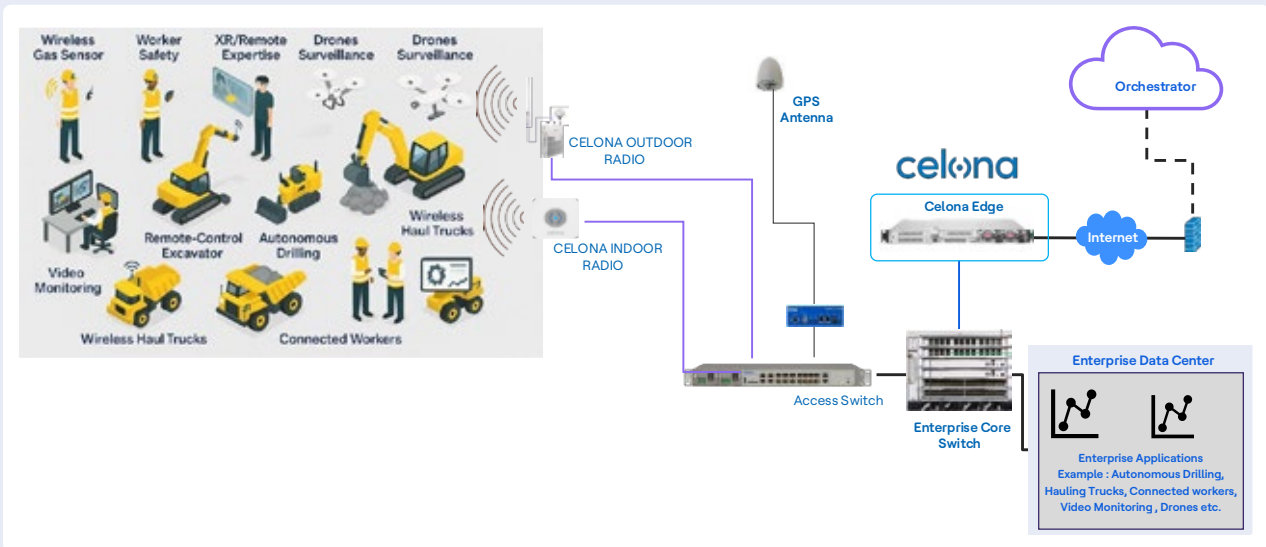
HCLTech, in partnership with Celona as the OEM, delivers a robust turnkey Private 5G solution designed to meet the unique connectivity needs of mission-critical enterprises across diverse industry verticals. By combining HCLTech's deep domain expertise, global system integration capabilities and lifecycle management services with Celona's innovative 5G LAN platform, this solution enables enterprises to realize the full potential of digital transformation across multiple industry verticals.

A) Private 5G Solution for Manufacturing Industry



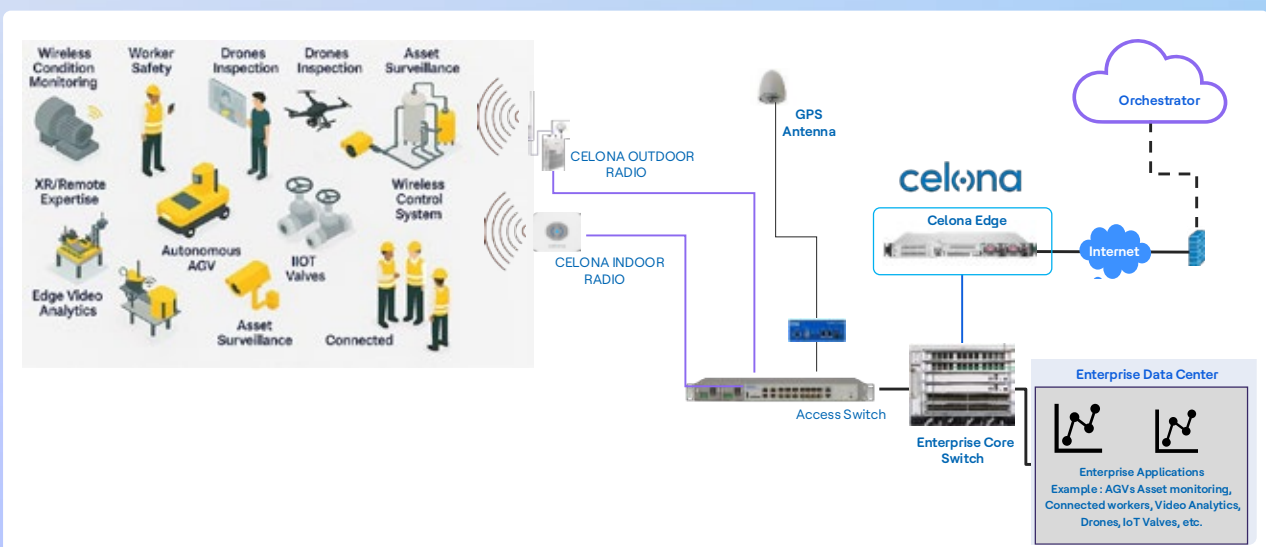
On the factory floor, key use cases such as AGV, wearables, augmented and virtual reality, digital twin, drones, inventory management, COBOTs, smart packaging, IoT sensors and conveyor belts are wirelessly connected via Celona's indoor and outdoor radios (RU). These radios provide reliable, low-latency and high-speed wireless connectivity using private 5G spectrum. The network connects through an access switch to Celona Edge, which delivers local breakout, QoS and traffic management. It further integrates with the enterprise core switch and data center, enabling seamless connection to applications like AGV control systems, drones, AR and VR, IoT sensors and digital twin applications. The orchestrator in the cloud manages policy and lifecycle operations.

B) Private 5G Solution for Mining Industry



The HCLTech Private 5G solution powered by Celona delivers secure, low-latency wireless connectivity tailored for the mining industry. It enables critical use cases such as autonomous drilling, wireless haul trucks, connected worker safety, remote equipment control and drone-based surveillance. The solution supports rugged, remote operations with reliable coverage and a centralized edge core and orchestration. HCLTech ensures seamless deployment, integration and lifecycle management, driving digital transformation across mining operations.

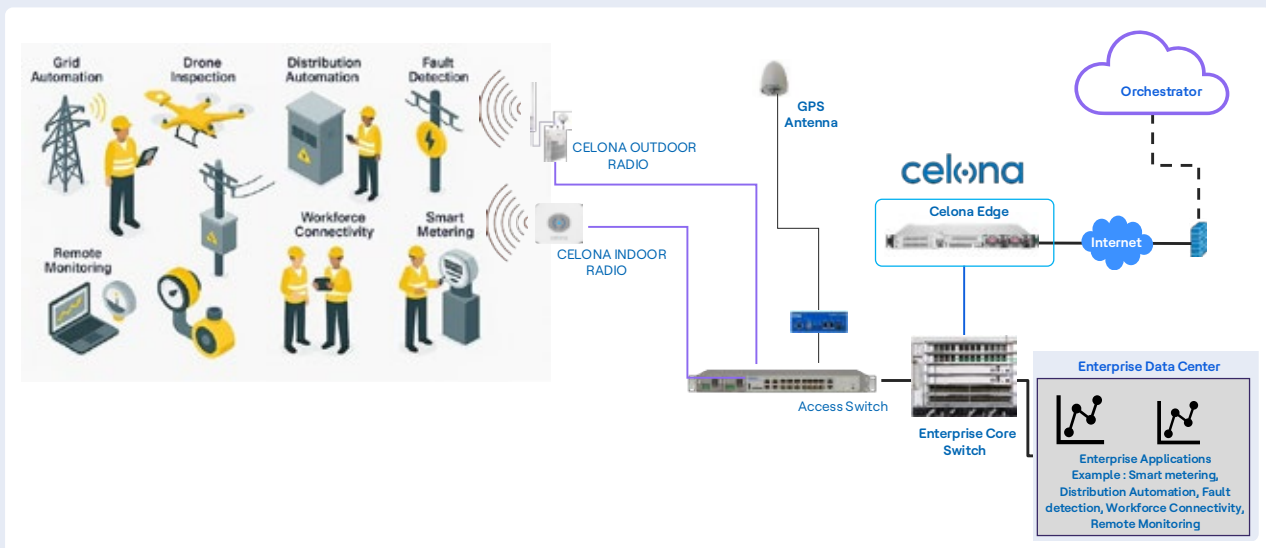
C) Private 5G Solution for Oil and Gas Industry



The HCLTech Private 5G solution powered by Celona offers resilient and high-speed wireless connectivity purpose-built for the oil and gas sector. It supports key use cases like predictive maintenance and operations via environment monitoring, autonomous transport systems, XR-assisted remote support, IIoT-driven valve automation, real-time video analytics at the edge and drone-based inspection of remote assets. With secure, low-latency coverage across offshore platforms and onshore facilities, the solution enhances safety, operational efficiency and responsiveness. HCLTech provides comprehensive design, deployment and managed services to enable next-generation digital oilfield transformation.

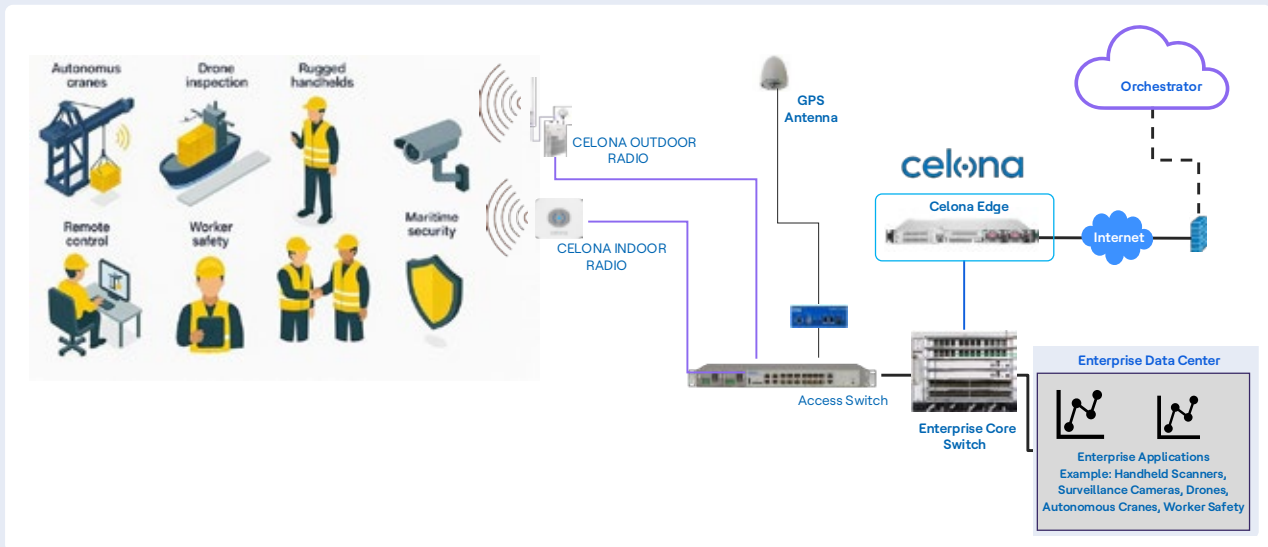


D) Private 5G Solution for Utilities Industry



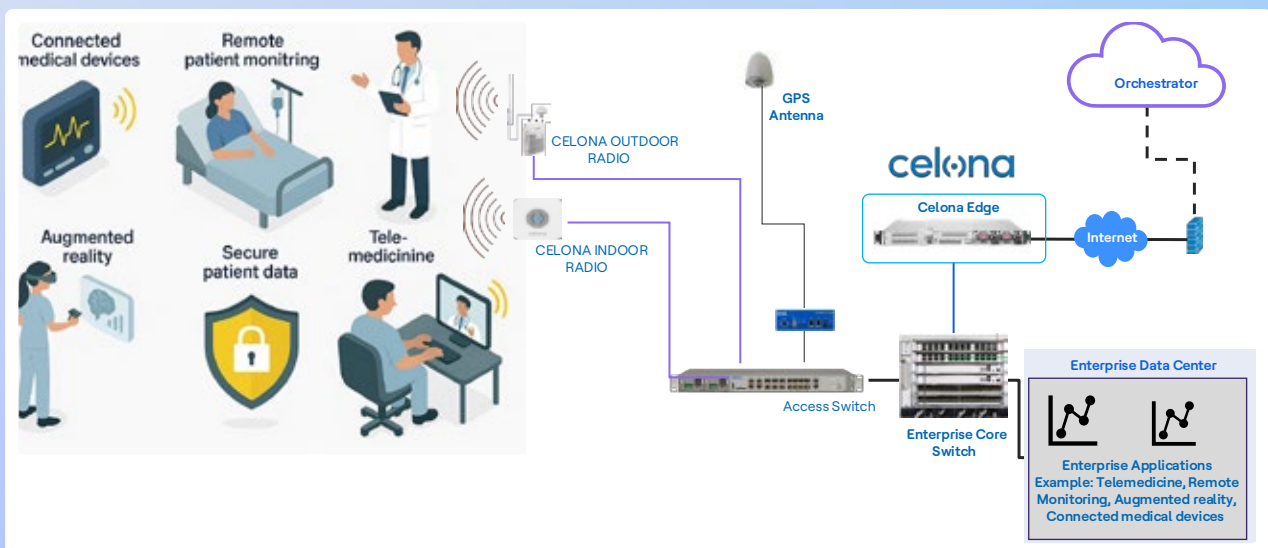
HCLTech Private 5G solution powered by Celona is redefining how utility companies manage critical infrastructure. With robust, low-latency high-speed mobility, utilities can enable real-time grid automation, fault detection and remote monitoring of assets. The network supports safe, efficient drone inspections and ensures always-on communication for field personnel using smart devices. From smart metering to distribution automation, this secure and scalable solution improves operational visibility, enhances workforce productivity and supports the digital transformation of energy and water services.

E) Private 5G Solution for Logistic Industry (Ports)



HCLTech Private 5G solution, in collaboration with Celona, transforms port operations by delivering high-speed, low-latency, high-speed mobility wireless connectivity across vast dockyards and terminals. It enables real-time remote control of autonomous cranes, drone-based cargo inspections and reliable communication through rugged handheld devices. With enhanced coverage and ultra-reliable connectivity, the solution ensures worker safety, improves operational efficiency and strengthens maritime security through continuous surveillance. This future-ready network foundation empowers ports to become smarter, safer and more automated.

F) Private 5G Solution for Healthcare Industry



HCLTech Private 5G solution powered by Celona offers a dedicated, secure and high-performance wireless network designed to meet the critical needs of the healthcare industry. It enables continuous remote patient monitoring, seamless telemedicine consultations and reliable connectivity for life-saving medical devices. The solution also supports advanced use cases like augmented reality for surgical planning and medical training while ensuring strong data protection for patient records. With low latency, high bandwidth and robust coverage, HCLTech and Celona enable smart hospitals to deliver more responsive and technology-driven care.

Why Choose HCLTech?

HCLTech accelerates enterprise digital transformation with end-to-end integration and Lifecycle Management of Celona Private 5G solutions across all industry 4.0 verticals.



Design and spectrum support

Smart network planning and support in regulatory compliance



Deploy and configure

Rapid, seamless rollout of on-prem and Aer-Flex solutions



Optimize and secure

Performance tuning, reliability and mission-critical security



Operate and manage

Continuous monitoring, field support and lifecycle management

With HCLTech as your system integrator, enterprises unlock scalable, secure, and high-performance Private 5G networks built for the future

Ready to transform your operations with Private 5G?

Contact us today at dfmarketing@hcltech.com to start your journey.