

Manufacturing

We deploy **a complete connectivity solution meeting all the requirements for your manufacturing plant.**

As manufacturers embrace new digital and Industry 4.0 operations, high-performance Private Networks are playing a critical enabling role – delivering the dedicated bandwidth to connect and manage an unprecedented volume of machines, IoT sensors and data on a single network.

With today's smart processes, manufacturers have an exciting opportunity to address the needs of established and fast-evolving mar-

kets. They can embrace high-mix, low-volume customisation production models. And they can cost-effectively balance output to demand – all by leveraging a sophisticated combination of automation, robotics, machine learning, augmented reality, predictive maintenance and more. It's all made possible through the security and guaranteed connectivity of a single, dedicated 4G/5G Private Network that you control.



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A private, dedicated network assures data security, removes the capacity and contention issues of WiFi and mobile networks, and delivers round the clock connectivity.

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As your SPoC, Cellnex delivers full end-to-end infrastructure management driving digital transformation, innovation and competitive advantage.

Remote-control

Control and monitoring of machinery, robots and vehicles



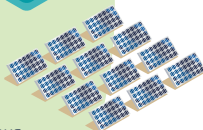
Increase safety

Remove humans from dangerous areas with Augmented Reality (AR), Virtual Reality (VR) and Digital Twin



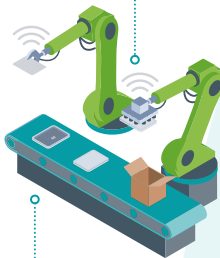
Robotics

Automate hazardous tasks, boost productivity, maximise efficiency



Business-critical communications

Guaranteed, always-on connectivity to commercial, information and production systems



Asset localisation

Enhanced efficiency with traceability of parts and tools



Predictive maintenance

Operational continuity through assisted and proactive maintenance

Environmental sensors

Asset and infrastructure insights to identify potential harmful emissions and monitor and reduce energy consumption

Internal logistics

Automated vehicle guidance systems throughout the facility



Why choosing a Cellnex Solution for your factory?

- Purpose-built 4G/5G network guaranteeing always-on performance, eliminating outages and assuring operational continuity.
- Secure and private, restricting access from outside and delivers data protection and compliance as standard.
- Offers opportunities to deploy automation, AI or robotics increasing efficiency, streamlining operations and reducing costs. Enable the ability to track and monitor assets and employees increasing safety.
- Cellnex is unique in our ability to offer flexible financial models that allow you to set up our solutions as a service, adapting to your financial needs.
- Cellnex provides a high level of expertise in network deployment, operation & maintenance, all combined with our capacity of working as a neutral network operator grants us the power to provide a unique solution to your factory needs.

References

BASF
We create chemistry



Boosting automated and safer operations while maximising coverage in the field.

KONE



Providing full End-to-End Industrial customer experience through reliable and dedicated connectivity solutions.

KONECRANES



Provide a smooth evolution from a Private LTE to a 5G SA Private Wireless Solution to support R+D advanced developments for the smart factory and test cranes.



stordenso



Industry-grade connectivity for drones and cameras to improve efficiency and enable remote assistance

SEGULA
TECHNOLOGIES



Outdoor 5G wireless network coverage for real-time data transfer with no interruption.

MGA
TECHNOLOGIES



Private Networks 5G OpenLab fully dedicated to the Manufacturing and Biopharma industry.