

Private networks are fast becoming the foundation of today's digital and automation strategies. Targeting the exact coverage and capacity requirements of your site, these built-for-purpose 4G/5G networks deliver the round the clock connectivity you need to transform operations, embrace smart insights and build for the future.



Industry analyst IDC estimates enterprises will invest approx. \$5.7 billion in private networks by 2024<sup>1</sup>

## The role of a private network

## Accelerating efficiency

Assure continuity of business critical operations with always-on connectivity.

### Reducing risk

and increase site safety.

Automate hazardous operations

## **Driving the future**

through automation, AI and robotics.

Enable 'smart' transformation

cellnex driving telecom connectivity

## Enabling digitalisation with private 4G/5G network solutions



# **Asset localisation**

and production systems

Mission-critical communications

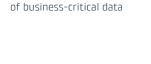
Guaranteed, always-on connectivity to commercial, information

with traceability of parts and tools

# Enhanced efficiency Predictive maintenance

#### Operational continuity through assisted and proactive maintenance

Data privacy and security



Access, manage and protect

the ever-expanding volume





Automate hazardous tasks,

boost productivity, maximise efficiency

## coverage and capacity tailored for location and use case.

How private networks work

Purpose-built, private network

A dedicated, private 4G/5G wireless network with



Low latency, high-speed connectivity





#### Public Mobile Networks. Limited capacity and coverage can mean not-spots, dropped calls and low data throughput. Conventional WiFi. At-scale WiFi deployments require extensive physical infrastructure, are less secure, and can be impacted by interference or contention problems.

Advantages over public

wireless and WiFi options





#### **Boosting** productivity through smarter, more automated

processes and

operations

Benefits of a dedicated

private network

**Assured** security for private network owners and users



#### **Enhancing safety** by removing staff from hazardous

environments

Seamless mobility

and connection of

static and moving

assets across the full site

#### Data privacy by keeping data on site and restricting

outside access

Project design and engineering

Coverage and capacity planning

Deployment and Commissioning

Operational monitoring

and maintenance

Analytics and ongoing performance optimisation

**OPEX savings** 

by proactively

monitoring equipment to reduce

maintenance





A fully managed

service from Cellnex



and Data dashboard



Optimise the network and achieve complete control and visibility



Network

utilisation



360° situational awareness (to increase safety)

Sensor data (for

asset monitoring)



# About **Cellnex**

As a Critical National Infrastructure Provider and one of Europe's leading telecommunication companies, Cellnex is trusted by enterprises, the emergency services and mobile network operators.

a Private Networks market leader and wholly owned subsidiary, meaning that our 4G and 5G Private Network solutions provide the most assured answer to the challenges of an Industry 4.0 world.

To find out more, visit our Private Networks solution pages.





Get in touch

Get in touch with our experts at PrivateNetworks@cellnextelecom.co.uk

 $1. \ https://www.businesswire.com/news/home/20210114005786/en/IDC-Forecasts-the-Private-LTESG-Infrastructure-Market-to-Reach-S,7-Billion-in-2024-as-Demand-from-Mission-Critical-Organizations-Drives-Early-Investment$