



Private networks are fast becoming the foundation of today's digital and automation strategies. Targeting the exact coverage and capacity requirements both above and below ground, 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 2024¹

The role of a private network

Accelerating efficiency

Remote-control

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

Reducing risk

Automate hazardous operations and increase site safety.

Driving the future

Enable 'smart' transformation through automation, AI and robotics.

Enabling digitalisation with private 4G/5G network solutions



Asset and infrastructure insights to identify dangerous gases

Data privacy and security

Access, manage and protect the ever-expanding volume of business-critical data

people and equipment

Mission-critical communications

Guaranteed, always-on connectivity to operational and HSE systems,

and removing people from hazardous areas

Automation

Boosting operational efficiencies





costs and increasing







Low latency, high-speed connectivity



Full network control and management

High availability, resilient and secure



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



24x7x365 continuity of business critical operations and communications

Benefits of a dedicated

private network



Boosting productivity through smarter.

more automated processes and operations

Assured security for private network owners and users



environments

from hazardous

Enhancing safety

by removing staff

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

Coverage and

Deployment and **Commissioning**

Operational monitoring

and maintenance

Analytics and ongoing performance optimisation

OPEX savings

by proactively

equipment to reduce

monitoring

maintenance





and engineering capacity planning

A fully managed

service from Cellnex





through real-time intelligence and analysis.

Network

utilisation



asset monitoring)

360° situational

awareness (to



Network

availability



increase safety)



enterprises, the emergency services and mobile network operators. Cellnex also brings the expertise and experience of Edzcom, a Private Networks market leader and wholly owned subsidiary, meaning that our 4G and 5G Private Network solutions provide the

As a Critical National Infrastructure Provider and one of Europe's leading telecommunication companies, Cellnex is trusted by

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 with our experts at PrivateNetworks@cellnextelecom.co.uk



Get in touch

1. https://www.businesswire.com/news/home/20210114005786/en/IDC-Forecasts-the-Private-LTESG-Infrastructure-Market-to-Reach-5.7-Billion-in-2024-as-Demand-from-Mission-Critical-Organizations-Drives-Early-Investment