# 5G HQ

# Quick Look:
# Six Business Needs A 5G Private Network Can Address

5G is a key part of an enterprise's digital transformation roadmap, and for many organizations, 5G private networks will be a critical component of that strategic direction. What real-world business challenges could companies use 5G private networks to solve? We break down a few examples below. What's really valuable is the combination of multiple use cases that a 5G private network can address.

| Near-term need | Example | Benefits of a 5G private network | Outcome |
|---|---|---|---|
| **Use of wireless devices for mission-critical processes** | A next-generation autonomous amusement park ride where a delay in communication could lead to a collision | Reduced latency and increased reliability, control, and speed | Mission-critical life safety is protected |
| **High need for data privacy** | A large hospital system responsible for the medical records of thousands of patients | Data can stay on premise | Patient privacy is supported |
| **High-performance mobility** | A production facility whose current connectivity solutions can't handle increased bandwidth demands | Increased on-premise coverage, reliability, capacity, and throughput; support for greater device density | The facility is operating with optimal efficiency and productivity |
| **Need to control network performance** | A lab with diverse connectivity needs ranging from support for AI to autonomous robots | Local control and customization of network by enterprise | Applications get the specific performance they need from the network; e.g., AI applications have the bandwidth to handle massive data, and autonomous robots are able to operate with very low latency |
| **Realization of Industry 4.0** | A multi-building auto manufacturing campus addressing increasingly high standards for quality, cost, and efficiency | Low latency, high capacity and bandwidth, and local control of network | Connectivity cost, defects, downtime, and turnaround time are reduced; production efficiency is improved |
| **Support for high data applications including AR and HD video streaming** | A university with a large population of remote or hybrid students | Low latency and high capacity | The student experience is enhanced by AR learning and seamless virtual classes |

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