PRIVATE 5G ADOPTION AND USE CASES
The Role of Communication Service Providers

Private 5G Environments Are a Priority
A majority of organizations want to deploy private 5G networks. After evaluating the technology, more than 9 out of 10 organizations believe private 5G networks can provide enhanced or new user experiences, increased safety, operational efficiency, and improved security. Motivations range from better processes and increased efficiency to real-time insights for decision-making, and computer vision for quality control, among many others.

Securely segmenting network traffic is a top 5 priority for their organization. Organizations are actively pursuing private 5G deployments, with over three-quarters of respondents looking to deploy within the next 12 months. Organizations cited a number of general and industrial use cases that varied based on industry. Use cases included modular manufacturing, secure segmenting of network traffic, advanced predictive maintenance, analytics to drive real-time insights for decision-making, and computer vision for quality control, among many others.

The Role of Communication Service Providers in Private 5G Environments

Organizations are looking to leverage communication service providers to deploy private 5G networks. This includes leveraging an ecosystem of partners to ensure industry-specific results. By doing so, organizations believed these private 5G environments can provide enhanced or new user experiences, increased safety, operational efficiency, and improved security.

Improved latency connectivity and access with private network is a top 5 priority for their organization. Enterprises across virtually all industries are prioritizing private 5G networks. After evaluating the technology, more than 9 out of 10 organizations believe private 5G networks can provide enhanced or new user experiences, increased safety, operational efficiency, and improved security. Motivations range from better processes and increased efficiency to real-time insights for decision-making, and computer vision for quality control, among many others.

Recent research from TechTarget’s Enterprise Strategy Group shows that private 5G solutions are rapidly gaining traction in enterprises globally. The Private 5G Opportunity and Anticipated Benefits Are Real. Organizations are looking to deploy private 5G within the next 12 months. Organizations cited a number of general and industrial use cases that varied based on industry. Use cases included modular manufacturing, secure segmenting of network traffic, advanced predictive maintenance, analytics to drive real-time insights for decision-making, and computer vision for quality control, among many others.

The Private 5G Opportunity and Anticipated Benefits Are Real. Here Are Specifics to Both Sides.

The Private 5G Opportunity and Anticipated Benefits Are Real. Here Are Specifics to Both Sides.

1. Secure connectivity and access with private network
2. Advanced predictive maintenance
3. Analytics to drive real-time insights for decision-making
4. Computer vision for quality control
5. Modular manufacturing

Top Drivers for Private 5G over Wi-Fi

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Customers who prefer an everything-as-a-service payment model outnumber those who prefer a capital payment by 6:1. "

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Source: Enterprise Strategy Group custom research commissioned by Dell Technologies.