

PRIVATE 5G AND EDGE COMPUTING: ADOPTION TRENDS IN THE ENTERPRISE

Enterprises understand the value of and are prioritizing the adoption of private 5G networks and edge computing solutions across a variety of different industries. The ability to have secure, reliable, and performing connectivity across broad areas that can support a rapidly increasing number of devices is appealing to enterprises.

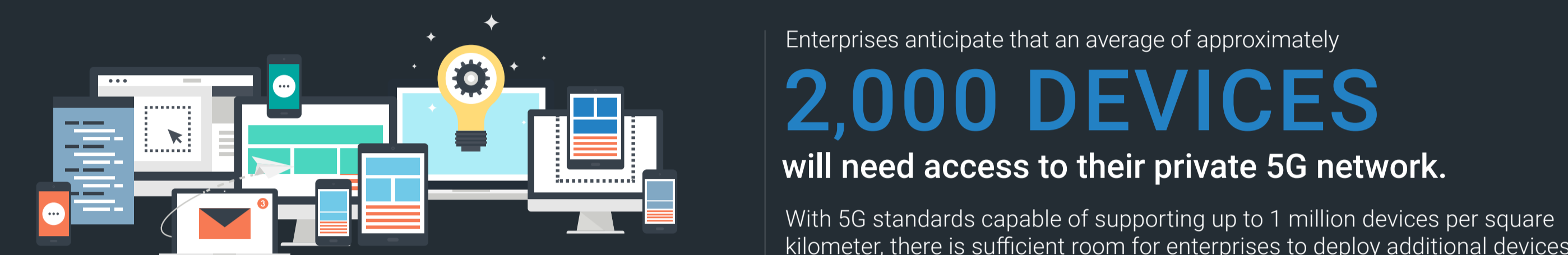
Enterprises Are Prioritizing Private 5G Networks

According to research from TechTarget's Enterprise Strategy Group, more than eight out of ten (82%) enterprises believe deploying a private 5G network is a top five priority, with almost half (44%) stating it is the top priority. These enterprises are eager to adopt solutions as well, with over three quarters (78%) stating that they would like to deploy a private 5G cellular network within the next 12 months.



Why are organizations turning to private 5G networks over Wi-Fi? According to the research, all respondents cited the ability to improve scalability, provide more secure connectivity, have dedicated spectrum with committed service levels and availability, and support higher device density and lower latency connections.

TOP 5 DRIVERS FOR PRIVATE 5G OVER WI-FI (ALL RESPONDENTS)



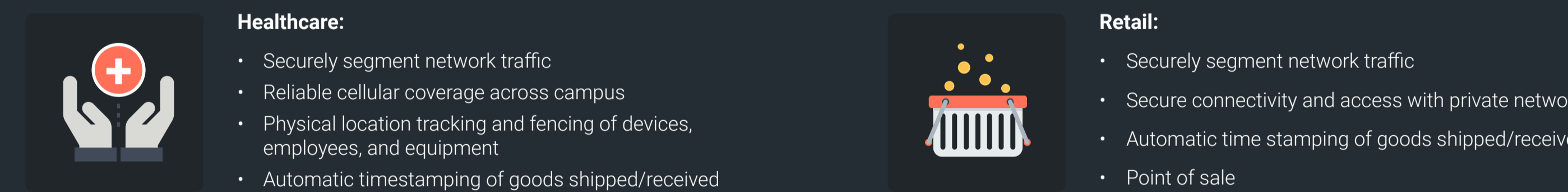
Private 5G Use Cases and Benefits

There are several general and industrial use cases cited by the respondents that vary based on their organization's vertical. Top general use cases include securely segmenting network traffic; leveraging analytics for real-time insights; safety; and physical tracking and fencing of devices, employees, or equipment. Industrial use cases include flexible modular manufacturing, computer vision for quality control, advanced predictive maintenance, and automation or autonomous robots or vehicles. Regardless of an enterprise's industry, expected benefits will bring enhanced experiences, increased safety and security, and operational efficiencies.

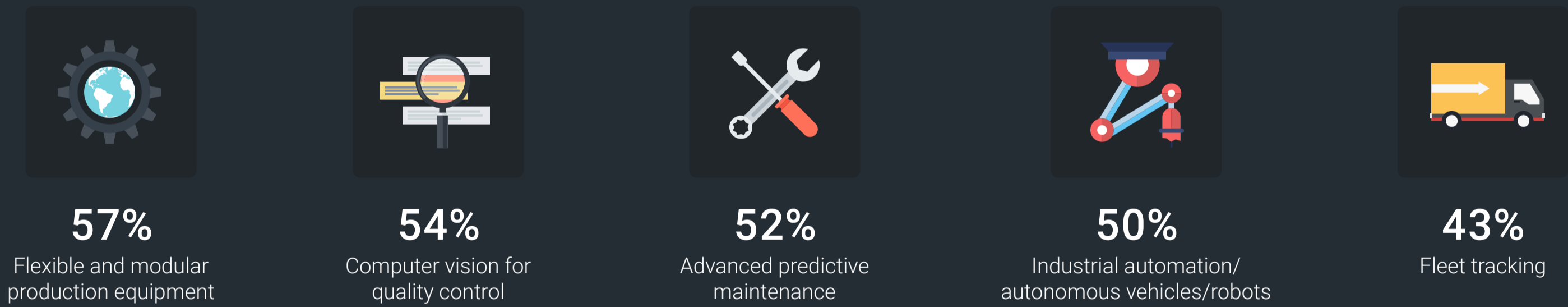
» TOP 5 GENERAL PRIVATE 5G USE CASES



» INDUSTRY-SPECIFIC USE CASES (GENERAL)



» TOP 5 INDUSTRIAL PRIVATE 5G USE CASES



» INDUSTRY-SPECIFIC USE CASES (INDUSTRIAL)



» TOP 5 BENEFITS OF PRIVATE 5G DEPLOYMENTS



Private 5G Aligned to Edge Computing

The majority of organizations believe Private 5G networks will be needed for edge locations. To satisfy operational and business needs, enterprises believe they will need to support roughly eight applications or workloads per location. These applications will be essential to analyzing the data collected and providing real-time insights.



Private 5G networks and edge computing initiatives are being prioritized by enterprises to address specific uses cases that require greater scale, coverage areas, security, and device density. While these use cases may vary by industry, enterprises believe they will drive better experiences, increased safety, improved security, and operational efficiencies.