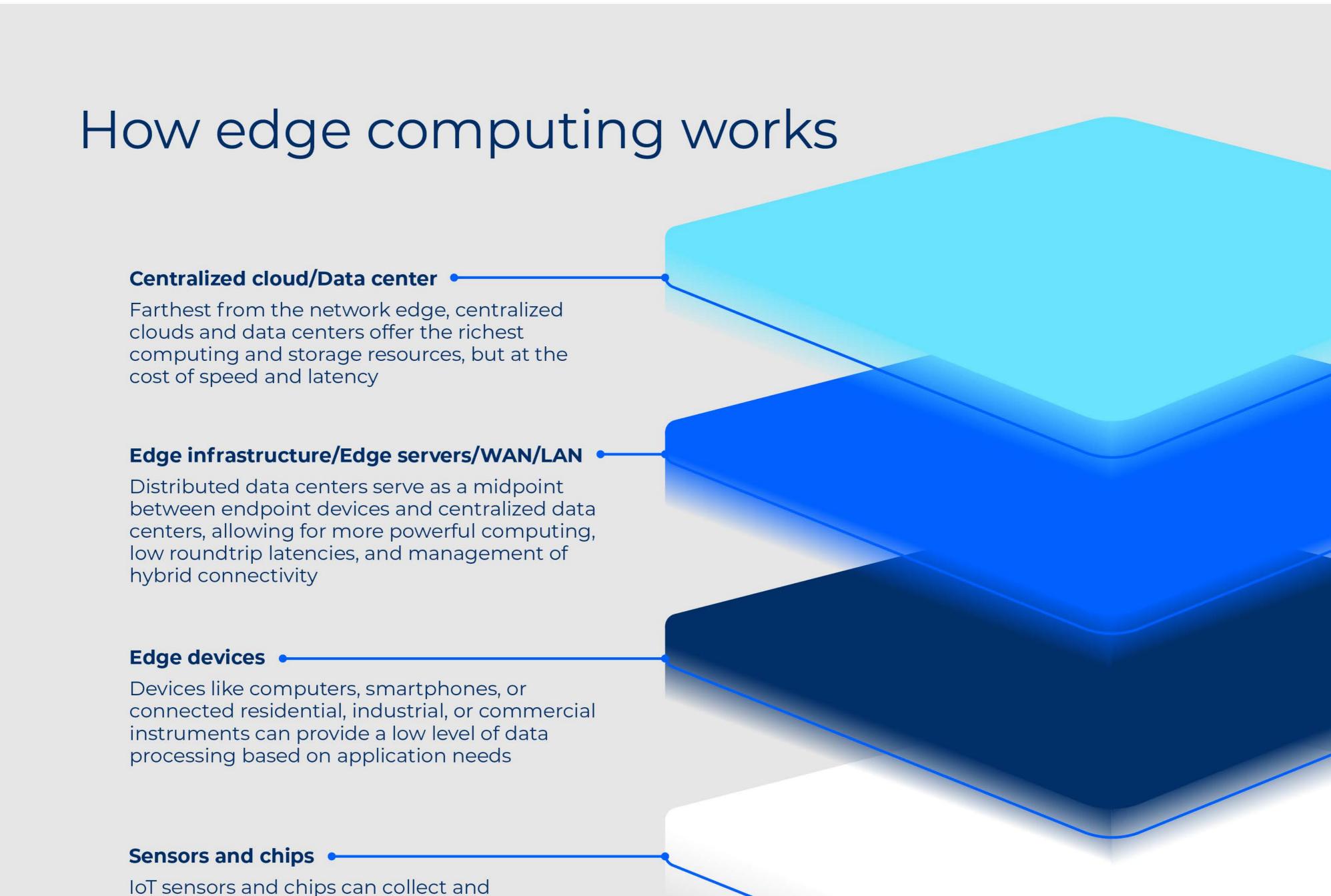
Edge computing continues to grow in importance for enterprises. Demand is growing for frictionless, connected experiences through numerous digital touchpoints, causing the volume of data being collected at the network edge to explode. By bringing processing closer to the data sources, edge computing allows data to be collected, analyzed, and acted on without lag, and without having to traffic to a central data center. This is critical for organizations

looking to support real time applications, whether that's maintaining safety and efficiency in an industrial manufacturing facility, powering life-saving medical devices, or simply creating a better fan experience at a stadium. Edge computing paves the way for enterprises to invest in IoT and build the secure distributed networks needed to support the next generation of connected experiences.



Fast growth

of advanced processing

originate data, but are incapable of any kind

EDGE COMPUTING IS GROWING AT A **COMPOUND ANNUAL GROWTH RATE OF**

Source: Markets and Markets

\$44.7 **BILLION**

2022

\$101.3

BILLION

2027



By the numbers

infrastructure will be at the edge rather than corporate data centers by 2024

of new enterprise IT

Delivery Networks

Source: IDC Market Perspective: Virtualization

projected increase of applications

at the edge from 2022 - 2024

Source: IDC Market Perspective: Virtualization and Shift to

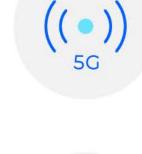
of organizations are

prioritizing connectivity programs, including edge, in 2023 to automate key processes, transform the workplace, improve CX, and increase corporate resiliency

Source: IDC Worldwide IT Predictions

Drivers for edge growth Transformational tech is driving edge deployments—and redefining the network edge itself:

5G



5G enables low-latency wireless applications, supporting new use cases and expanding the

IoT

world of mobile edge computing by connecting devices and end points with disparate requirements and characteristics.



Internet of Things is gaining traction in multiple markets, including retail, finance, hospitality,

construction, healthcare, and utilities. AI

As the edge grows, more and more devices aren't traditional computers or mobile devices. The

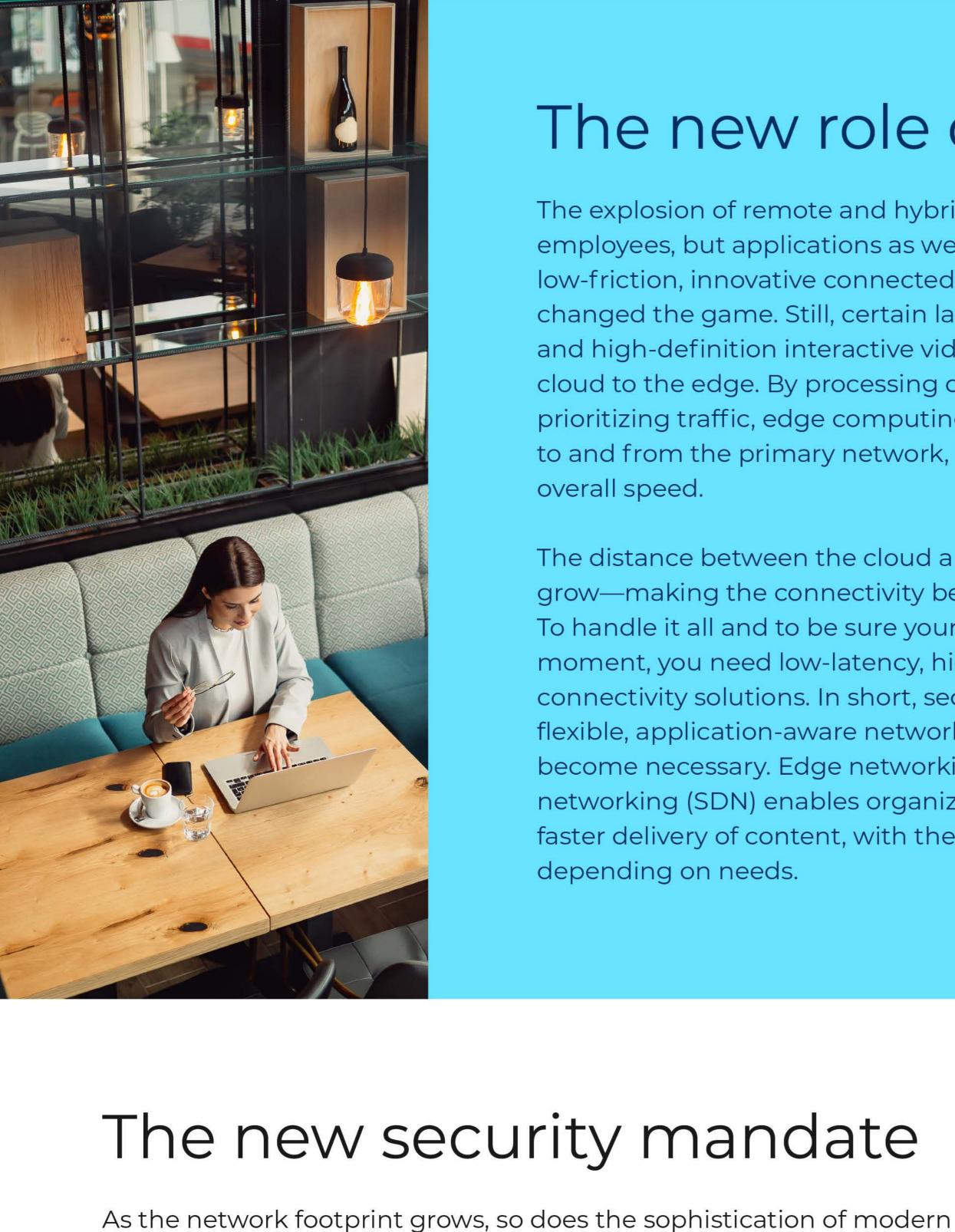


Artificial intelligence systems are automating business processes, delivering new efficiencies and enhancing the customer experience.

AR and VR

Augmented and virtual reality applications are powering game-like experiences for

applications such as physical therapy, employee training, and product manuals.



The explosion of remote and hybrid work has distributed not only employees, but applications as well. Further, customers' desire for

The new role of connectivity

low-friction, innovative connected experiences on the edge has changed the game. Still, certain latency-critical applications, like robotics and high-definition interactive video, are being pulled back from the cloud to the edge. By processing data closer to the source and prioritizing traffic, edge computing reduces the amount of data flowing to and from the primary network, leading to lower latency and faster overall speed. The distance between the cloud and edge will continue to grow—making the connectivity between them more critical than ever. To handle it all and to be sure your business is ready to tackle its next big

moment, you need low-latency, high-capacity, flexible and scalable connectivity solutions. In short, secure network solutions to create flexible, application-aware networks that route traffic intelligently will become necessary. Edge networking through software-defined networking (SDN) enables organizations to deliver high-bandwidth for faster delivery of content, with the flexibility to scale up or down depending on needs.

security threats. Simply put, traditional security approaches and postures aren't a good fit for the demands of a widely connected and distributed

network. New frameworks—most notably secure access service edge (SASE)—have emerged to fill in the gap. SASE is a comprehensive set of tools and capabilities, including SD-WAN, data loss prevention, secure web gateway, endpoint detection and response, identity and access management, next-generation firewalls, and cloud access security broker.

of enterprises will have adopted a strategy to unify web, cloud services, and private application access using SASE architecture, up from 20% in 2021. Source: Gartner 2022 Strategic Roadmap for

By 2025

Most important SASE capabilities







Source: CIO 2022 SASE Market Trends Study

Edge computing is transforming the way data is being handled, processed and delivered from billions of devices around the world. Faster networking technologies and advanced connectivity are allowing edge computing to support real time applications, such as video processing, self-driving cars, artificial intelligence, and robotics. Comcast Business brings together secure network solutions for an edge network that covers corporate headquarters, branch offices, and widely distributed environments.

Learn more today: business.comcast.com

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