

Lumen® Edge Computing Solutions: Public Sector



The platform that enables modernization in government

Improve citizen services with data-driven decisions at the edge

Because milliseconds matter, government agencies are transforming to digital strategies that allow them to be connected to citizens, other government agencies and private industry partners at all times, virtually anywhere in the world. This connectivity must be fast and accurate to help agencies become increasingly data-driven and capable of delivering innovative, efficient and relevant services that drive greater accountability, safety and transparency. Edge computing speeds the collection and analysis of data generated in “smart” edge locations, such as federal enterprise networks, city infrastructure, transportation hubs and hospitals, enabling the delivery of insights people and machines can act on. But to become really data-driven, most organizations need a new architecture to help acquire, analyze and act on the data where it is being created. Lumen Edge Computing Solutions allow agencies to quickly obtain real-time market insights and act on those insights to transform operations and end-user experiences.

Deploy data and compute closer to the action

Moving workloads to where digital interactions occur can help improve user experiences, increase application performance, lower costs and minimize risk, all while staying compliant. Edge computing enables government agencies to realize such benefits; however, it requires overcoming the challenges in deploying data and computing closer to the action. How do you efficiently store data, secure

the environment and deliver applications that meet your IT and operations requirements? Flexible edge compute solutions from Lumen delivered over a secure global fiber network at very low latency answers the need and allows you to overcome latency, enhance economics and minimize risk.

Effortless procurement

There are several federal, national and regional contract vehicles for government to utilize during their digital transformation journey. Let us help you find the right one.

Designed for digital interactions

Lumen Edge Computing is fit for public sector digital interactions by moving workloads closer to where these interactions occur with flexibility and adaptability. Being successful will come from being more proficient in acquiring data from all sources, analyzing data for actionable insights and acting on data quickly to enhance services and conform with compliance mandates in new and more efficient ways. Lumen offers the infrastructure choices and services that enable and support the agility offered by application developers while allowing initiatives, such as governance, security and economic efficiencies, to be addressed.

Lumen Edge Computing Solutions

	Business Need	Examples	Lumen Edge Solution
Storage	<ul style="list-style-type: none"> Store valuable data and be able to act on that data in real time 	<ul style="list-style-type: none"> Sensor readings Video capture Maintenance telemetry Large data sets 	<ul style="list-style-type: none"> Designed for the edge with Network Storage and Layer-2 Ethernet connectivity enhanced by Data Access Accelerator and Layer-3 IP-VPN
Security	<ul style="list-style-type: none"> Secure applications running at the edge and protect their data 	<ul style="list-style-type: none"> Mobile applications Distributed web applications Secure internet ingestion / remote workforce 	<ul style="list-style-type: none"> Web Application Firewalls (WAF) Bot Managers API Protection Distributed Denial of Service Mitigation (DDoS)
Application Delivery	<ul style="list-style-type: none"> Efficiently run high-bandwidth applications and workloads at global scale 	<ul style="list-style-type: none"> IoT software updates Video streaming and analytics AR/VR Location-based analytics Branch transformation 	<ul style="list-style-type: none"> Comprised of CDN, CDN Edge Compute, Edge Hosting Environment, Private Cloud, and Dynamic Connections coupled with our strength in Managed Services
Intelligent Solutions	<ul style="list-style-type: none"> Process data efficiently and in real time for asset-intensive, interaction-intensive and mission critical technologies 	<ul style="list-style-type: none"> Inventory management Smart military base infrastructure Smart city infrastructure Smart campus infrastructure 	<ul style="list-style-type: none"> Comprised of an Edge Hosting Environment and a global Network. All strengthened by expertise and experience in Managed Services from the planning stage to the implementation and operations of the workload environment

Why Lumen

Lumen is a pioneer in the edge computing market, helping organizations place workloads in the right location to manage their data, devices, processing, security and overall digital business.

Our ability to deliver compute on customer premises with near-zero latency, or within our deep metro facilities designed for 5ms of latency or better, provides you with the infrastructure to put applications in the right place for the right SLAs. Lumen helps turbo-charge your data engine to acquire data from more sources, analyze patterns in real-time and act upon business logic closer to the digital interaction.

Our solutions enable innovations previously not possible to support applications using Artificial Intelligence (AI) and Machine Learning (ML) for robotics, real-time analytics and control systems, to name a few.

What sets Lumen apart from other providers is the combination of our network strength, data center footprint and extensive managed services experience in operating and integrating client requirements. This is especially important in a hybrid world leading toward edge computing that bridges clouds, IT infrastructure and the edge for workloads and applications to perform at required levels of latency, capacity and protection.

Enhance the speed of your digital interactions today.

Visit Lumen today for more information, or contact a Lumen Expert for a consultation to get started at the edge.

lumen.com/public-sector