

Data Modernization
and Analytics

Federal Agencies Can Now Employ Mission- Critical Analytics at the Tactical Edge

RavenTek's Tactical Edge Compute system serves as a portable data center so that agencies can maintain the power of Qlik Sense analytics in austere environments



RAVENTEK



Data-Driven Decisions Made in the Most Challenging Environments

Civilian and defense agencies alike have been progressively helping their organizations adopt a more data-driven culture with the help of Qlik Sense – a complete data analytics platform that uses unique associative analytics, cutting-edge Artificial Intelligence (AI), and high-performance cloud computing. By empowering employees across the entire workforce (from data analysts to HR, finance, executive leadership, procurement, and more) agencies using Qlik Sense are enjoying the ability to make better decisions daily, creating truly data-driven enterprises.

Now, these agencies don't have to lose out on the hard work it took to build those data-driven cultures when sending employees to austere environments for their missions. Whether it's deployment, fieldwork, emergency response, or any mission that requires working without reliable access to the data center, employees can still harness the power of Qlik Sense analytics.

How? A portable data center that can be deployed anytime at any given location, no matter how hazardous the terrain. RavenTek's Tactical Edge Compute system encompasses this portable data center in a box to enable federal employees to power mission-critical applications with the computing strength of a data center even in disconnected operation scenarios. The Tactical Edge Compute system makes it possible to take Qlik analytics to the tactical edge.



The Power of Qlik Sense®

With Qlik Sense, agencies can put modern analytics into everyone's hands, irrespective of their job titles. Whether an executive decision-maker, analyst, or warfighter, an employee can uncover the insights they need to make the best decisions for their respective missions.

Agencies have been using Qlik Sense to build more data literate workforces with sophisticated AI-powered analytics, giving every user insight generation, task automation, and search with natural-language interaction. This platform can be quickly deployed to complete a wide range of analytics, massively scaling users and data without compromising performance, trust, or governance standards.

With Qlik Sense, defense and civilian agencies can foster more data literate workforces by:



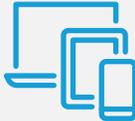
Exploring data relationships without boundaries:

Qlik's unique Associative Engine enables staff to explore freely in any direction, recalculating analytics and highlighting data relationships after each click, revealing new insights that cannot be seen with SQL and query-based business intelligence (BI) tools.



Creating analytics faster:

Professionals can combine and load data, create comprehensive visualizations, and drag and drop to build rich analytics apps accelerated by suggestions and automation.



Sharing and going mobile:

Now, federal employees can stay productive online or offline with fully interactive mobile analytics to make discoveries, improve collaboration and take action with data anywhere at any given time.



Analytics for Any Mission

Qlik Analytics has been deployed to power a wide range of missions ranging from procurement, HR, and finance, to supply chain management, readiness, and more.

HR & Finance

For those managing human resources and fiscal resources, Qlik's predictive analytics can help detect spend patterns, visualize obligated vs. unobligated dollars, and make smarter budgeting decisions when it comes to preparing for a new fiscal year, reporting spend patterns for a single audit, and making new hires.

Acquisition

Now, procurement professionals can improve decision-making when it comes to tasks such as identifying the competitive field, for example. They can better track products and services to date with easy visualizations, see which are available through easier procurement vehicles, e.g. 8As and HUBZone, and overall better determine which vendors are best suited to fulfill their agencies' needs.

Readiness

Whether it's responding to a natural disaster or deploying troops overseas, having that in-depth analytics ensures situational awareness and preparedness for the job at hand. Are the right people onboard with the right skill sets, be it foreign language or technical? Does the agency have the right equipment with the right maintenance status ready to go? What needs to be shipped ahead of time to ensure utmost preparedness?

Supply Chain

When the team needs to determine the required order quantity, where their orders are, and whether they're being filled, they can turn to Qlik analytics. Supply chain managers can quickly determine what they need, where to get it and who to buy it from and what else is needed in order to sustain whatever mission that's underway.



Onsite Connectivity Vs. Deployed

Remember the days of simple computing when connectivity meant proximity to data centers? Now, with the proliferation of cloud and the federal government's accelerated move to cloud computing over the past decade, employees require a strong Internet connection to ensure the utmost productivity and performance of their cloud applications.

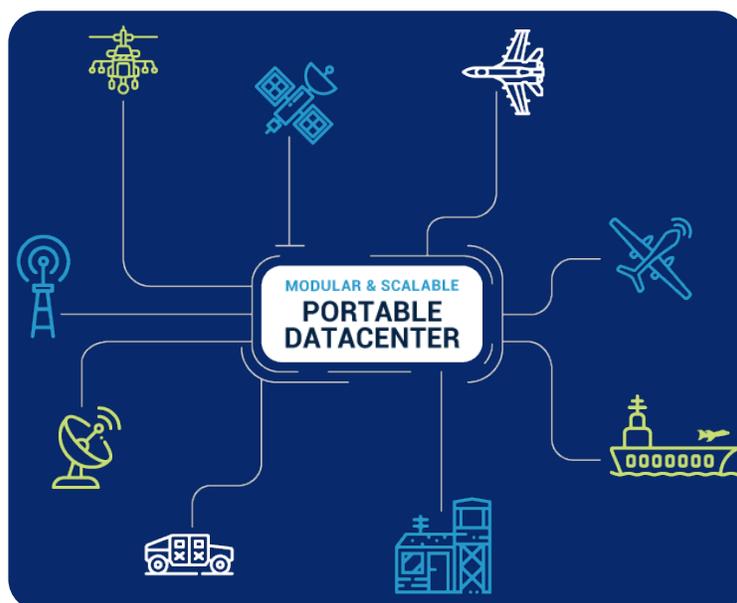
Everything is smooth sailing when employees work from home with a strong Internet connection or onsite at HQ. However, when operating within austere environments in the field, employees can encounter serious issues, including:

- › Limited connectivity,
- › Low-to-no bandwidth;

Forcing them to revert back to manual and inefficient paper-based processes.

These paper-based processes, especially when it comes to data entry and analytics, costs agencies loss in time, efficiencies, and dollars. For procurement professionals, it can mean placing redundant orders on the same products without the ability to track what's been purchased and what's already on its way to a remote location. For warfighters on the battlefield or officials deploying emergency response efforts, the inability to access the analytics and apps they need can mean losing situational awareness.

In short, losing out on connectivity to analytics and other application capabilities in disconnected environments can mean steep consequences for the federal government.



Taking the Power of Analytics to the Edge

So how can agencies accomplish their missions even in environments with contested network access? By enabling professionals to bring a compact data center with them – be it by truck, overhead storage in a plane or boat. With a portable and deployable data center, connectivity goes wherever the mission does so anyone can harness the modern analytics they need at any time, at any location, to get the job done.

The RavenTek Tactical Edge Compute system is a small, highly portable and highly scalable on-premise solution that is capable of providing high performance, high-availability, resiliency, large capacity distributed storage, clustering, and simple enterprise management.

Because it is vendor agnostic, it can incorporate software and applications designed for the cloud while providing a means to deploy that same software without modification into a rugged solution suitable for expeditionary and austere environments. Qlik Sense and all mission-critical apps and data can be leveraged regardless of location.

Whether it's an HR employee trying to identify personnel with the right language skills for a job overseas, a supply chain manager determining how much food to order locally for a base in Afghanistan, or an emergency management official assessing readiness for natural disaster response, they have the capability to immediately analyze data with Qlik Sense at the point of ingestion, wherever that may be.



COMPUTER



STORAGE



NETWORKING

PHYSICAL & VIRTUAL SCALABILITY

- › Rugged & Compact - 9.9" (25cm) wide, 20" (53cm) deep, and 4RU (17cm) high, < 40lbs
- › Cloud Compatible
- › High density, high performance computing
- › Highly Scalable /Modular
- › Fits in commercial airline bin
- › Up to 156TB Usable Storage
- › 4.5TB Memory Capacity
- › 168 Processors/Cores
- › Simplified Enterprise Management
- › Connected/Disconnected Operations
- › Multiple power Options: dual 1200W AC, 1100W 48V DC, or 800W 28V DC power supplies.



Making Better Decisions Faster in Any Location within Any Condition

Through RavenTek's Tactical Edge Compute system, agencies don't have to lose the analytics they enjoy from their Qlik Sense platform. They can provide compute/network capabilities to mobile environments that can operate with low or no bandwidth.

For agencies, whatever the mission, they can ensure:

- › Continuity of operations and data protection services
- › Centralized control of the platform and extended access to cloud-based services
- › Ability to run their Qlik Sense analytics at the edge



Now, agencies can empower all their employees (regardless of their mission) to continue making data-driven decisions, faster in any location and under any condition.

About Qlik

Qlik helps enterprises around the world move faster, work smarter, and lead the way forward with an end-to-end solution for getting value out of data. Our platform is the only one on the market that allows for open-ended, curiosity-driven exploration, giving everyone – at any skill level – the ability to make real discoveries that lead to real outcomes and transformative changes. And you get the freedom to use our cloud or any cloud you choose.

About RavenTek

RavenTek recognizes that in today's challenging fiscal environment, federal agencies need the right partner who can help them advance mission goals through efficient and innovative IT, engineering, administrative, and program management solutions.

info@raventek.com | (833) 728-3601



Learn more at www.raventek.com.