Achieving Technological Readiness: Benefits of Modernizing Your Infrastructure

Today's armed services must always be ready to meet and eliminate threats, those of today and the future. The right technologies adjust your networks to manage a usage surge in real-time and ensure the availability of critical assets. Your base's infrastructure forms the footing for modernizing your capacity and capability. It lets your institution roll out military tech advancements while achieving quick wins that improve routine base processes.

However, challenges exist. Organizations need fast, reliable networks to implement high-level strategies. And leaders must demonstrate an achievable return on investment (ROI), overcome security and privacy issues, and ensure each objective meets readiness goals.

You need more than a one-size-fits-all strategy to give you the help you need. A strategic partner, however, can keep your organization's operations and safety secure. Let us look at the capabilities and advantages of technology solutions customized to your government sector. A strategic partner can sustain your organization's operational continuity and security. Together, we can explore the features and benefits of technology solutions tailored to your government community.

Preparing for Military Base Improvements

Often, mainstay technologies in the private sector are not available in government organizations. In part because existing bases need more modern infrastructure. To update capabilities, institutions must update network technology and ensure scalability. Military centers can enhance on-site capacity through targeted action and extend it to the broader fleet.

Everyday Operations

Modernizing military systems can simplify ship maintenance, streamline essential base services, or even automate commissary stock requests. Connected networks — from managed Wi-Fi to Bluetooth to wired high-speed internet — allow sensor technologies to measure, respond, and report various physical stimuli. The hardware relays information to a central platform where leaders can review raw data and explore applicable insights in real time.

Fast Crisis Response

A well-powered, scalable network is required for networked cameras, sensors, smartphone apps, and more. Applying connected systems to military operations can keep ships in the sea and allow leaders to send site-wide alerts quickly. Moreover, the effective use of data is a critical function for identifying and responding to current and future threats.

Innovative technology solutions could be a significant change for readiness, especially considering the importance of scaling commercial capabilities across the DoD. With the infrastructure, your center can craft information policies and processes to improve response times, decision-making, and resiliency.

Smart Base Infrastructure

Military bases, which we will define here as Base, Post, Camp, or Station, are already moving towards solutions that increase security, workability, resiliency, and livability. A smart facility connects systems required for fast response and operational efficiencies. It leverages reliable, secure internet services, with wired and wireless networks extending coverage to areas previously offline.

A smart military base leverages technology such as:

- VoIP Phone Systems
- Fiber Video Conferencing
- Cloud Computing
- Managed Wireless Networks
- Network Security Solutions

Building the Capabilities for Connectivity

For military bases to keep pace with ever-changing threats, they must adopt technologies with the flexibility to scale and adapt to their primary mission. But it is not only about the tech. It would be best to have trusted technology providers like Cox Business who can design solutions for your complex needs. By partnering with a dependable industry leader, you can be fully prepared for the future while improving today's operations.

Flexible Technologies That Adapt to Your Primary Mission

Technology planning and implementation efforts should have your unique needs in mind from end to end, regardless of whether your base focuses on education or ship berthing and maintenance. With a custom solution from Cox Business, your military center can prioritize mission-critical tasks and leave the technology deployment, security, and management to the IT experts.

Contact Cox Business to learn more about how our Internet, voice, and IT Solutions can help your organization with services such as:

- **Metro E:** An ethernet transport network offers multipoint or point-to-point services over a metropolitan area network (MAN). Metro E is a cost-effective, highly secure alternative to carrier multiprotocol label switching (MPLS) networking.
- **Wavelength service:** Transfer data, image, or video heavy files over a large bandwidth connection, known as wavelength. It provides data service or high-speed internet through lit fiber-optic lines.

- **Managed Wi-Fi:** Connect civilians, military members, and leaders seamlessly with fully managed network and equipment support. Cox Business offers custom installation and reliable speeds for indoor and outdoor coverage.
- **Private line service:** Use a private data connection with high data speeds to ensure privacy and security for sensitive communications between two or more locations.
- **MPLS IP-VPN:** This suite of technology methods and technologies is a type of virtual private network (VPN) that uses MPLS-based technologies for better bandwidth management and security.
- **Video service:** Stay connected with military members on the base and in the field by working with specialized government consultants to design voice and video solutions.
- **Dark fiber:** Prepare your institutions by installing unused but fully laid optical fiber. This application lets you move forward on technology objectives when the funding comes through.
- **SD-WAN:** SD-WAN solution combines real-time path selection, edge routing, stateful firewall, end-to-end QoS, and WAN optimization, so you can deliver the reliability and efficiency your business demands.

Core Benefits of Technology Infrastructure for Sea Services

Technology improvements provide the ability to collect, process significant amounts of data, and remain connected regardless of location. With scalable systems, military bases can manage high-volume, complex datasets. And, when backed by a trusted provider, military leaders can plan innovative investments without dropping the ball on existing maintenance, updates, and security concerns. When you work with a reliable national telecom and technology company like Cox Business, your technology applications and implementations align with top-level goals, maximizing your return at every step.

Improve Speed and Quality of Services and Functions

A well-connected military base can scale to meet needs on demand. A cohesive strategy and network technologies that meet the needs of the space and application reduce network congestion while improving performance.

Cox Business can provide reliable, high-speed internet to a well-connected military base, allowing immediate and secure access to mission-critical information. The Cox Business network utilizes advanced fiber-optic technology to deliver fast, reliable speeds, making it ideal for a military base that needs to access a large amount of data quickly and securely.

Cox Business also offers advanced security features such as firewalls, anti-virus protection, and intrusion detection to protect the base's data. In addition, Cox Business can provide a scalable network that can grow to meet the base's needs on demand.

With Cox Business's range of services, the base can choose the minimum speed and capacity they need and then scale more services as needed. The network is also designed to manage high-traffic periods and can be easily upgraded to accommodate additional users.

The Cox Business network is backed by 24/7 technical support, giving the base's IT staff the help they need when needed. Cox Business can also provide the base with various business solutions to help them meet their technology objectives.

Cox Business can provide VoIP, unified communications, cloud storage, and a host of other business solutions that can help the base streamline operations and improve efficiency. With Cox Business, the base can be assured of a reliable and secure network that can keep up with their needs.

With round-the-clock monitoring and management, Cox Business keeps your networks online and secure. We can adjust bandwidth as your technology footprint grows and scale up or down to meet your changing needs.

Make Military Centers More Resilient

Custom networks and infrastructure backed by 24/7 security, management, and support keep military locations online, connected, and prepared to respond. In return, if a threat exists, military staffers can concentrate and coordinate actions without troubleshooting technology issues. The scalable nature of Cox Business services means your institution can take advantage of big data and analytics to make better, faster decisions.

Discover Trusted Solutions for Today and Tomorrow's Challenges

Is your base positioned to meet today's threats? Improving your capacity and capabilities readies your location while helping you better serve your personnel and their families. Cox Business has in-depth knowledge of military operations and collaborates with you to understand your budget, mission, and security protocols.

With this top-down perspective, we can identify the best options and create bespoke solutions. Cox Business provides voice, video, and networking services, allowing your organization to securely link base services, locations, and emergency response teams.

Contact Cox Business today to learn more about how our services can help improve your military base's readiness and performance.