



CORE SYSTEMS

www.core-systems.com





SPECIALISTS IN TOUGH TECHNOLOGY FOR TOUGH TERRITORIES AND TERRAINS

In San Diego, Core Systems is an expert in providing top-of-the-line, rugged industrial and military-grade technology solutions.

Whether providing cutting-edge equipment for industrial operations or reliable technology for military applications, Core Systems can meet the unique requirements of organizations with critical needs.

As a reliable partner, the company specializes in manufacturing best-in-class rugged industrial computers, displays, handheld units, and other systems that can withstand shocks, vibrations, humidity, and extreme temperatures.

With two premier vertically integrated production facilities equipped with top-tier engineering and fabrication teams, Core Systems stands out for its comprehensive strategy towards product development and integration. This approach ensures that every aspect of its products is meticulously designed and tested to meet the highest standards.

From the conceptualization phase to the meticulous environmental

testing stage, Core Systems manages every aspect of the process in-house. It also has a complete machine shop on the premises, which enables it to rapidly create prototypes and tailor products to meet clients' precise requirements.

In addition, it builds and integrates systems with Graphics Processing Unit (GPU) boards, which are used for artificial intelligence (AI) purposes. Moreover, the metal shop executes computer numerical control (CNC), punch fold, paint, and welding, and has its own environmental testing, integration, and cable manufacturing facilities.

Core Systems has achieved a significant milestone by successfully participating in the renowned Lockheed Martin HDR-G program, a testament to its capabilities.

This program, known for its advanced data processing and communication capabilities,

trusted Core Systems' expertise to deliver robust and reliable solutions.

By being chosen for rack integration, the company played a pivotal role in ensuring the seamless integration and functionality of critical systems. The HDR-G program relies on Core Systems' expertise to deliver robust and reliable solutions.

Renowned for its distinctive, rugged military-grade versions of the top server brands in the market, such as repackaging Hewlett Packard Enterprise (HPE), CISCO, and Arista, Core Systems stands alone in providing this service. This exceptional offering underscores its engineering prowess and unwavering commitment to delivering solutions that surpass industry standards.

SPECIFIC SOLUTIONS

Core Systems is a highly regarded company that specializes in providing cutting-edge hardware



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solutions and advanced AI technology to military forces across the globe. We create the only rugged HPE servers that support certain AI capabilities.

Furthermore, machine learning (ML) is designed to adapt to ever-changing and challenging environments, enhance security, and safeguard robust encryption for sensitive data. At the same time, AI-powered simulation offers realistic combat training scenarios. Rugged systems are built with extreme durability in mind to withstand harsh conditions.

With its innovative technology, Core Systems has gained recognition and adoption from

military forces worldwide, including the Army, Navy, and other defense agencies. The company's solutions have proved to be highly effective in enhancing the accuracy, speed, and reliability of military operations, thereby increasing the safety and success of personnel on the ground.

Through ongoing R&D, Core Systems continues to push the boundaries of AI technology, enabling military forces to stay ahead of the curve and maintain a competitive edge. Its commitment to excellence and an unwavering focus on safety and

security make it a trusted partner for military forces worldwide.

With a relentless focus on quality, reliability, and customer satisfaction, Core Systems has a proven track record of success. A portfolio of groundbreaking solutions ensures that the company is committed to its vision of empowering its customers to achieve their goals.

As an industry leader in technological innovation, Core Systems is dedicated to providing cutting-edge solutions that meet the evolving needs of the industrial and military sectors globally.



Core Systems follows a design strategy that involves collaboration with its engineering team to ensure efficient product realization, whilst its world-class mechanical design engineering team provides product design. The next stage of the process involves a vertically integrated facility that enables rapid prototyping capabilities. After that, an on-site product test laboratory validates each new design to meet military specifications (MIL-Specs). Product assembly occurs at Core Systems' facility with multiple production floors. Additionally, every product comes with a standard warranty and lifetime support.

CORE CAPABILITIES AND APPLICATIONS

Core Systems has extensive experience in commercial and defense programs spanning aerospace, transportation, military, security, and intelligence across the land, sea, air, space, cyberspace, and joint all-domains.

The company has expertise in developing mission-critical systems for various applications

designed to meet environmental demands and adapt to an ever-changing battlefield. Its history dates back to 2007 when it created sensor signal processing for defense applications, mission-critical airborne systems, and other purpose-built systems that exceeded expectations.

Core Systems provides a diverse selection of top-quality open-frame racks, server racks, and enclosures suitable for a wide range of missions. In addition, the company offers integration services that involve assembling a fully configured rack cabinet system ready for deployment on the same day it is shipped. Its team of experts is always available to help select the best

cabinet for specific mission requirements.

Specializing in developing mission-critical systems for various applications, Core Systems' solutions are designed to meet the environmental demands of each unique mission and adapt to the constantly changing battlefield.

With a strong track record of creating sensor processing systems and designing and developing mission-critical airborne systems for various military and defense applications, the company is a trusted leader in the industry.

Core Systems' portfolio of rugged solutions and one-off designs is



purpose-built to exceed mission expectations. It adapts to the battlefield's changing demands to ensure its products perform optimally in any environment.

From advanced radar technology to improving intelligence, surveillance, and reconnaissance (ISR) capabilities, it is committed to providing customized solutions that meet the unique needs of military operations. Dedicated to ensuring excellence from start to finish, Core Systems offers a reliable solution for every possible military application with precision, expertise, and unmatched reliability on the battlefield.

DESIGNS FOR MULTI-DOMAINS TAILORED TO MILITARY NEEDS

Core Systems has a rich experience in creating robust computing solutions for the military. Its portfolio includes a wide range of projects with both commercial and defense programs. The company works closely with all military branches, designing customized solutions that suit specific deployments and ensuring that every challenge is met with innovation.



For years, Core Systems has worked tirelessly to create secure and reliable solutions for military aircraft, navigation, and other airborne applications. The company's advanced computing solutions, including high-definition displays and SWaP-C-optimized mission computers, are among the most powerful and dependable in the world, designed to withstand the most challenging environments and ensure the safety and security of military personnel.

Taking pride in its commitment to providing industry-leading products tailored to meet specific needs, Core Systems ensures



that customers can complete their missions efficiently and confidently.

Core Systems delivers rugged, reliable technology for multi-domain operations worldwide. It showcases its ability to overcome complex problems with versatile systems that thrive in extreme environments. It also has a long history of creating defense solutions for naval platforms built with size and safety in mind.

As the US Space Force continues to make great strides and push



boundaries in the field of space exploration, Core Systems is proud to work alongside NASA in developing cutting-edge computing solutions designed to withstand outer space's harsh and demanding conditions.

The team is committed to providing the necessary tools and technology to support space missions at all orbit levels, ensuring that astronauts and researchers can access reliable and efficient computing resources while exploring the final frontier.

The military's primary concern is the growing speed of cyber threats worldwide. Core Systems has spent years diagnosing, preventing, and solving these threats, providing multi-domain solutions that can operate independently or together across mission-critical infrastructure. The company ensures that systems operate without interruption and that missions are covered at all attack points.

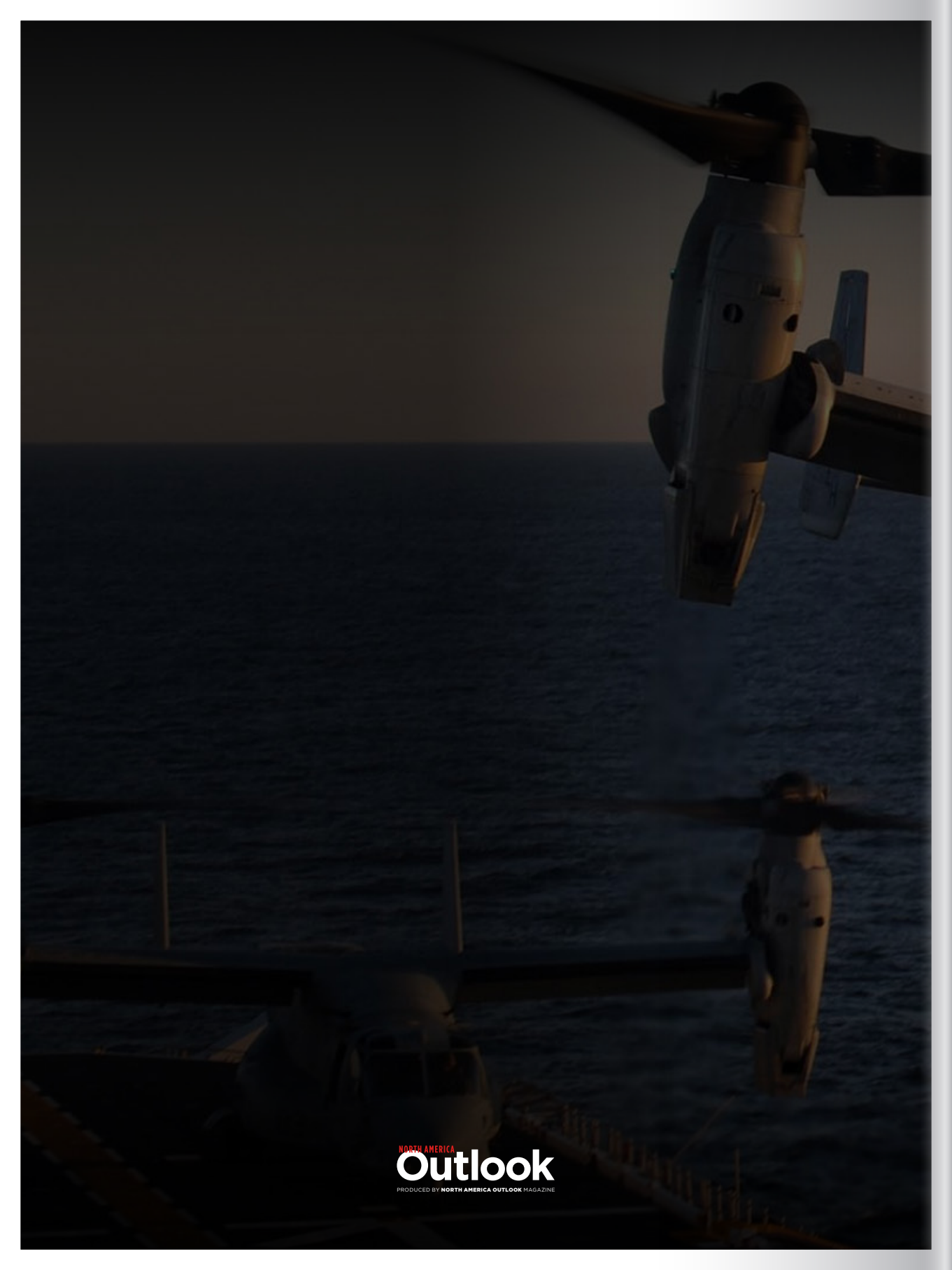
Collaborate with Core Systems to blend cutting-edge technology with dependable systems to meet modern military demands.

APPLICATION-SPECIFIC DESIGN REVOLUTIONIZING MILITARY APPLICATIONS

Core Systems' cutting-edge applications include:

- Military aircraft systems
- Training and simulation
- ISR
- Joint all-domain
- Radar
- Land systems
- Unmanned aircraft systems (UAS)
- Signals intelligence (SIGINT)
- Electro-Optical/Infra-Red (EO/IR)





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