Trenton Systems Capabilities Statement

Providing secure, TAA-compliant computing solutions to the defense, aerospace, and commercial markets.

Our core competencies include designing, manufacturing, assembling, testing, and supporting ruggedized HPC solutions in Atlanta, GA, USA. Our in-house engineers are able to customize down to the chip/BIOS level across a product line of CMOSS-aligned SFF mission computers and rugged rack servers. With a tight grip on the supply chain, we are able to engineer around parts and components issues successfully while providing multi-layer cybersecurity across the hardware, firmware, software, and network stack.

Supported by intel

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ISO 9001:2015 & AS9100D Certified

CAGE CODE: 3R4PO

DUNS #: 94-713-3091

NAICS Code: 334111

CORE PILLARS

Made in the USA

We design, manufacture, assemble, test, and support our high-performance computers in Lawrenceville, Georgia, United States of America. Our facility is secure and adherent to all applicable quality management standards.

Secure Supply Chain

We monitor for, document, and remove suspicious and counterfeit electronic parts and components in our supply chain to help protect our systems from security breaches and hardware failures.

Cybersecurity

We are at the forefront of today's cybersecurity landscape, offering our customers ruggedized compute solutions equipped with the latest hardware, firmware, software, and network security technologies.

Customization Capabilities

We customize our solutions at the board and system level to support customers' application and service requirements. Enjoy support throughout the product's lifecycle with the industry's leading five-year warranty

Certified Rugged

We test our products in-house and in partnership with local testing laboratories. We offer certifications for MIL-STD-810, MIL-STD-461, DO-160, IP67, and other military and industrial standards upon request.

WHAT IT MEANS

Trenton Systems owns its board manufacturing capabilities that meet current and future Executive Order 14005 directives of at least 75% U.S.-sourced content. Free from processor board vulnerabilities sourced from hostile nations.

As design authority of our processor boards, we quickly "engineer in" alternate parts/circuits to keep customers' program deliveries on track using only parts sourced via our secure supply chain processes and partners.

We enable Intel® and partner companies' cyber protection features and provide additional custom BIOS/firmware protection at no additional cost. These capabilities reduce customers' cost and schedules.

We partner with customers to develop solutions that meet specific requirements in a timely and cost-effective manner. Our team locks down product configs for years and provides support indefinitely or until parts become obsolete.

Our HPC solutions are tested to stringent military standards and validated by third-party labs. Test reports are available to our customers and support our fielded product life cycle of over 11 years, illustrating the low TCO our customers see today.

250+
Programs Supported

200k+
Systems Sold

COTS, MOTS, and custom edge computing solutions

HIGH-PERFORMANCE COMPUTERS

General-purpose computing and AI/ML/DL to process and analyze critical intelligence in real-time at the edge. Supports high core count CPUs and high-end GPUs to increase situational awareness and reduce response times, improving decision-making capabilities.

MODULAR BLADE SERVERS

Single- or dual-processor, front- or rear-removable blades to increase compute density, scalabiity, and flexibility. Easy cable management reduces mean time to repair and enables quick upgrades in a matter of seconds as workloads evolve.

STORAGE AND NETWORKING

Read, write, and transfer massive amounts of data with high-capacity, cybersecure SSDs and high-speed 5G connectivity. Host critical applications, networks, and services within a centralized or split architecture, configured to your mission needs.

SMALL FORM FACTOR AND EMBEDDED

Ultra-rugged, SWaP-C optimized computers designed for peak peformance within constrained spaces and harsh environments. Certified to the most stringent standards and supports military-grade connectors to resist the elements and prevent interference.

We work with customers in a consultative relationship to standard and custom systems and solutions designed to the most complex technical, performance, and environmental specifications.