Mupac started as a wire wrap manufacturer for prototype systems for the industrial and military industries in 1971. The company was acquired by Carlo Gavazzi in 1986 and became known as Carlo Gavazzi Computing Solutions, Inc. Shortly thereafter Carlo Gavazzi became the industry leader for VME and cPCI based enclosure systems within the electronics industry. In 2009, Carlo Gavazzi sold the Computing Solutions business to System Industrie Electronic Holding AG, Lustenau, Austria, a privately-held embedded computing company. SIE Computing Solutions remains based in Brockton, Massachusetts.

From our design/manufacturing centers, one in North America and one in Austria, we serve customers worldwide. While the company has changed ownership, we have always remained committed to meeting our customer's requirements.

MUPAC TO CARLO GAVAZZI TO SIE: UNWAVERING CUSTOMER COMMITMENT.
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Meeting critical needs across industries and technologies.

For close to half a century, SIE Computing Solutions has brought mission-critical and performance-critical embedded computing solutions to some of the harshest environments in the world.

From backplanes and shelf management electronics to racks and cooling systems, SIE’s board-agnostic approach to development and our extensive system integration expertise provides complete, fully-tested and certified systems customized to fully address the complex needs of every customer.

Our design and manufacturing capabilities support all of the most widely-used bus structures, including VME, VPX, VXI, CompactPCI, AdvancedTCA, MicroTCA, and embedded motherboard and small form factor profiles.

Industries we serve include transportation, energy, telecommunications, medical, and oil and gas. We also have extensive experience with the military and are actively engaged with emerging markets.

One stop for all systems needs.

A vertically integrated company with flexibility in design and manufacturing, we provide a one-stop shop for all system needs. Customers worldwide leverage best-in-class processes from initial concepts to design and development, prototypes, certifications, and production.

SIE’s expertise includes industrial, mechanical and electrical design and manufacturing, as well as program management and system integration. Our analysis and testing encompasses signal and structural integrity and thermal profiling.

Risk mitigation

To ensure risk mitigation for your program, we employ our forty years of experience in:

- Collaboration
- Engineering
- Vertical integration
- Proven platforms
Moving transportation forward.

SIE provides rugged enclosures and integration for electronic systems across all transportation, including trucking, rail, ship, and avionics.

We bring the highest level of performance and rugged dependability to the electronic systems that help commerce move throughout the world.

From our extensive product offering of military and defense electronics, we provide shock and vibration protection, thermal regulation and cooling configurations for protection against dust, moisture, and other external elements.

Products we manufacture for transportation include VME, VPX, MicroTCA, CompactPCI, PXI, custom architectures and embedded motherboard and small form factor profiles.

Helping oil and gas explore opportunities.

SIE’s systems, backplanes, and rugged enclosures are built for the vibration and caustic nature of oil and gas exploration in the most brutal climates.

With full vertical integration that enables complete quality control from design through to production, SIE is dedicated to seamless integration with our customers’ overall system development process.

Our unique combination of mechanical, electrical, and system design expertise allows us to deliver customized system-level electronic solutions leveraging a variety of standard and open architectures.

From small handheld devices to large shock isolated equipment bays, SIE has the proven designs and expertise to meet the most demanding environments within the industry.

Critical solutions in the medical field.

SIE’s design and development for the hospital, lab, or doctor’s office include an array of backplanes, enclosures, and portable cabinets for electronics and systems.

Solutions for thermal management, power supply, and airtight protection against liquids, dust, and other elements are supported by a stringent adherence to regulatory requirements and full integration with system-level components.

SIE’s standard products provide a base for the board-agnostic design of customized solutions against multiple architectures, including MicroTCA, CompactPCI, PXI, custom architectures and embedded motherboard and small form factor profiles.

SIE provides a wide range of product development and assembly sourcing options servicing the medical field, leveraging our design engineering, and our world class manufacturing facilities.
Keeping telcos online.

With nearly forty years experience, SIE has enabled telecommunication systems from central offices to some of the most demanding environments all over the world. Our extensive system engineering expertise is complemented by a breadth of experience in multiple open architectures, and allows full system integration and all QA testing in-house.

A complete line of NEBS-certified standard products are configurable to any application and are easily integrated with network equipment, third party components, and power distribution systems. From design and engineering through fabrication and final testing, our vertical integration ensures complete quality control throughout the process.

Developing ties with emerging markets.

SIE’s customized rugged packaging solutions enable embedded computing in any harsh or constrained environment worldwide.

By focusing on quality and dependable embedded systems and interconnects, we help our customers concentrate on the devices and technologies that their customers need – without worrying about how to protect them.

Our expertise in system engineering encompasses thermal management, shock and vibration, size and weight constraints, networking requirements, environmental challenges, and more.

SIE remains on the forefront of new technologies. Our extensive capabilities include the design and manufacturing of customized products that support all of the most widely-used bus structures, including VME, VPX, VXS, CompactPCI, AdvancedTCA, MicroTCA, CompactPCI, PXI, custom architectures and embedded motherboard and small form factor profiles.

Certificates or accreditations:

- ISO 9001:2008
- AS 9100/9102
- RoHS / WEEE
- EC - REACH
- CEE, UL, CSA, TUV
- EN 60601
- J - STD - 001
- IPC / WHMA

For more information, visit www.sie-computing.com or call 1.800.926.8722.
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