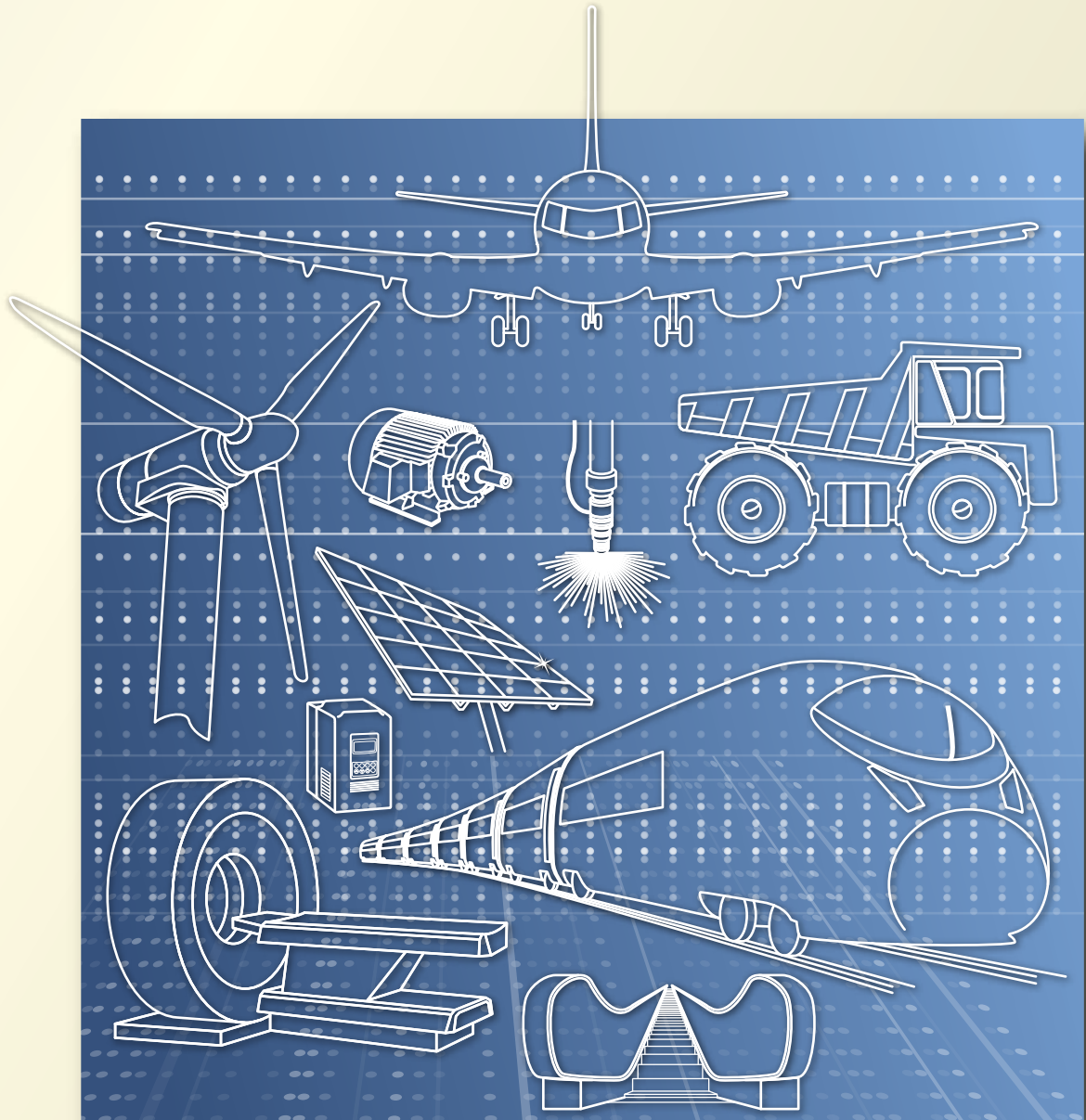


POWEREX[®]

Power Semiconductor Solutions



EXPERTISE ■ INNOVATION ■ RELIABILITY



VISION

Preferred Global Partner for High Power Semiconductor Solutions

- Consistently deliver value, quality and expertise
- Provide customer desired innovation
- Achieve growth and profitability for our customers and owners

VALUES

High performance, collaborative teams with individual accountability

- Responsive to customers' present and future needs
- Focused on quality to deliver reliable products and solutions on time
- Continuously increasing productivity and reducing costs
- Passion for learning and sharing ideas
- Reward for performance

Always with uncompromising integrity and high safety standards

QUALITY

Our goal is to be **"First in Quality"** with the focus on TOTAL and CONSISTENT customer satisfaction.

- A personal commitment and awareness from each associate in ALL functions
- Do every job right the first time
- Produce the highest quality products
- On-time delivery
- Competitive pricing
- Total awareness of customer needs

A faint, light gray world map is visible in the background on the right side of the page, showing the continents of North and South America.

**A Leading
Supplier of**
High Power
Semiconductor
Solutions

Knowledge and Experience - A Solid Foundation

Established on January 1, 1986, Powerex is the result of a combination of three pioneers in the power semiconductor industry – the Power Semiconductor Divisions of General Electric Company, Westinghouse Electric Corporation, and Mitsubishi Electric Corporation. In 1994, Westinghouse sold its shares to General Electric and Mitsubishi Electric. General Electric and Mitsubishi Electric currently share equal ownership of Powerex.

Advanced Research and Development

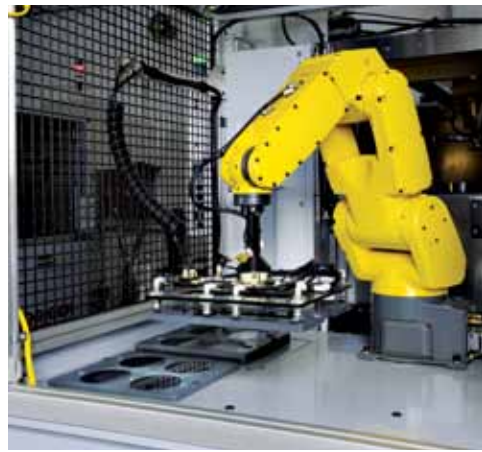
Powerex and its strategic partners maintain a commitment to research and new product development to meet customer power semiconductor requirements, including:

- Decreased Component Size
- Reduced Costs
- Increased Energy Efficiency
- Switches that
 - Operate at higher frequencies,
 - Are more reliable, and
 - Offer integrated functions.

As a leader within the high power semiconductor and module industry, Powerex is committed to providing reliable, cost-effective chip fabrication and device assembly.

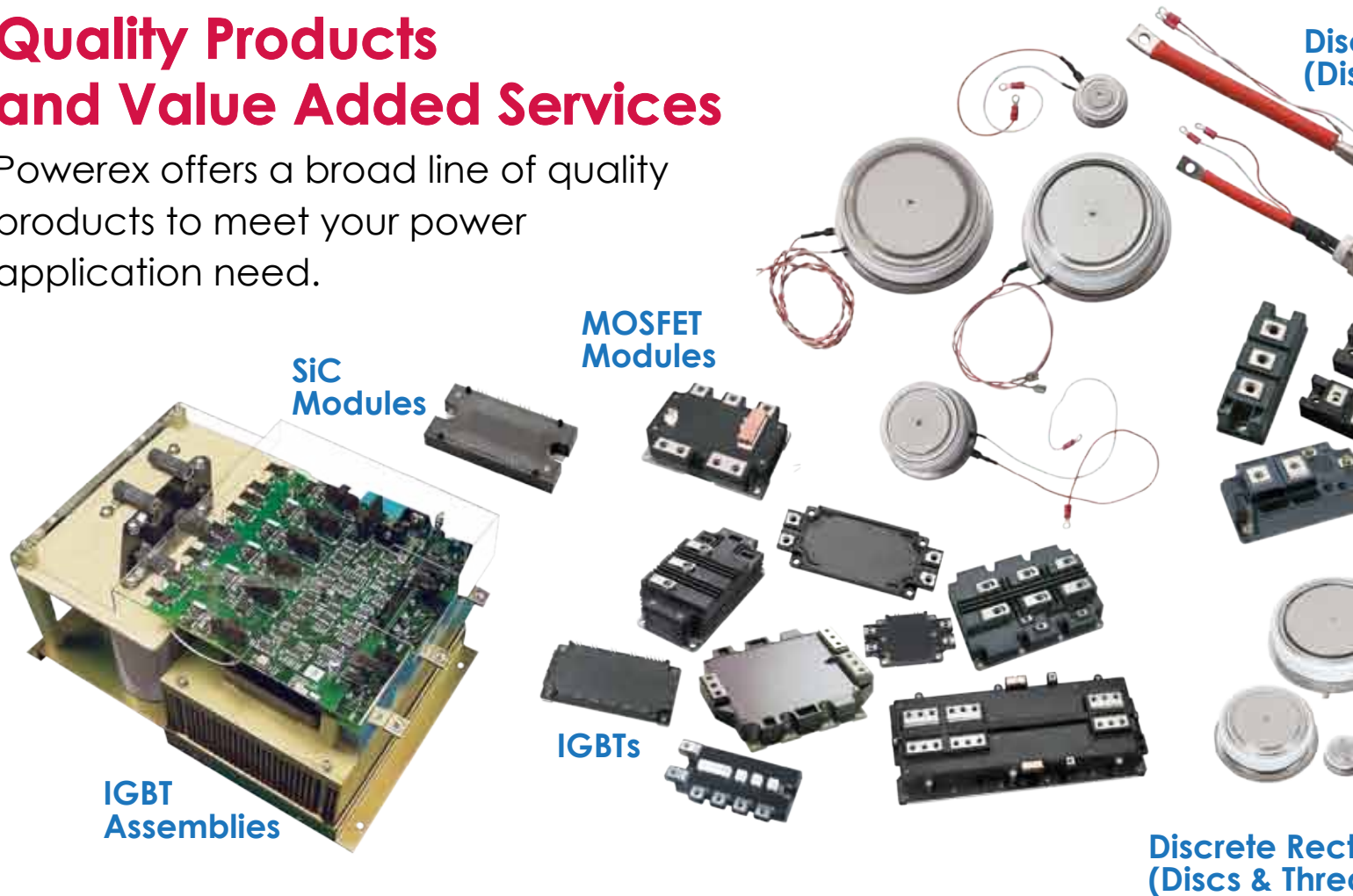
A Reliable Product Line and Supply Chain with Proven Performance

- Powerex exclusively provides sales, marketing, strategy and logistics support for Mitsubishi Power Semiconductor devices in the Americas. This relationship with Mitsubishi, the world leader in IGBTs and IPMs, allows Powerex to give its customers access to an established supply chain and cutting edge technology.
- Powerex also serves as a partner to Mitsubishi Electric in its global web sales efforts, providing customers a convenient way to purchase Mitsubishi product online at the Powerex web site.
- Powerex manufactures a wide range of rectifier and thyristor products at its 90,000 square-foot Youngwood, PA facility where Powerex:
 - Has over 40 years of experience in the manufacture of power semiconductor solutions.
 - Uses tools such as Six Sigma, Statistical Quality Control and Lean Manufacturing to continuously improve quality, productivity and performance.
 - Has been registered to the ISO 9001 standard since 1998 and to AS9100, the aerospace quality management system, since 2004.
- In addition to the Powerex manufacturing facility / corporate headquarters in Youngwood, PA, USA, Powerex also serves the global market via its manufacturing facility in Tangiers, Morocco.



Quality Products and Value Added Services

Powerex offers a broad line of quality products to meet your power application need.





Concrete Thyristors
(scs & Threaded Studs)

DC-DC Converters

Gate Drivers



Thyristor &
Diode Modules



Rectifiers
(Threaded Studs)

Powerex offers not only the highest quality products but also innovative and customized solutions.

An already broad product line is enhanced by:

- Custom Modules
- Custom Assemblies
- Application Specific Rectifiers and Thyristors





Markets Served

- AC, DC and Servo Drives (Low and Medium Voltage)
- Aircraft
 - Electro-Hydraulic Actuators
 - Power Generators
- Alternative Energy and Distributed Power
 - Wind
 - Photovoltaic
 - Flywheel
 - Fuel Cell
 - Microturbine
- Electric Vehicle
- Induction Heating
- Industrial Pump Controls
- Medical Power Supplies
 - CT
 - MRI
 - X-Ray
- Power Generation and Distribution
- Pulsed Power
- Transportation
 - Propulsion and Auxiliary Power for Rail and Shipboard
- Uninterruptible Power Supplies (UPS)
- Welding
- White Goods and HVAC

Impeccable Customer Service/ Design Assistance

At Powerex, your success is our success.

You can count on impeccable service and support before, during and after your purchase.

Our mission is to help engineers choose the absolute right product for their application. A dedicated group of experienced Powerex applications engineers are available to serve as an extension of your design team. They will help you to reduce your design cycle by:

- Identifying key project requirements
- Assisting in selection of the optimal device or devices
- Validating device performance
- Supporting rapid prototyping

In addition, manufacturing support continues through our logistics and stocking programs.

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Power Semiconductor Solutions





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EXPERTISE ■ INNOVATION ■ RELIABILITY

Powerex has an extensive network of experienced and knowledgeable manufacturer sales representatives and authorized distributors spanning the globe.

To locate Powerex sales support in your country / region go to:

www.pwrx.com/SalesSupport.aspx

or email globalsales@pwrx.com



Powerex also offers various online purchasing options, including ordering by credit card.

For more information, contact OrderManager@pwrx.com.

Multiple Strategically Located Manufacturing Facilities

Corporate Headquarters, Youngwood, PA, USA 15697



Tangiers, Morocco



DIPIM is a registered trademark of Mitsubishi Electric Corp.

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