



STRENGTHEN YOUR POWER SYSTEM WITH MEPPI's FACTS

You want to keep your grid up and running. So do we.

Mitsubishi Electric Power Products, Inc. (MEPPI) is a respected manufacturer in the electric power industry. Our decades of experience in Flexible AC Transmissions Systems (FACTS) allows us to deliver top of the industry quality solutions with unmatched reliability and service.

HIGH QUALITY LEADS TO EXCEPTIONAL RESULTS

Our STATCOMs are designed using the highest quality and most reliable components on the market.

- Proprietary controls
- Best in class Insulated Gate Bipolar Transistor (IGBT) valves
- Highly reliable cooling systems





EPC EXPERIENCE AND DELIVERY

MEPPI has over two decades of FACTS Engineering Procurement & Construction (EPC) delivery experience, building dozens of STATCOM, SVC, and FSC installations in North America.

- ISO 9001 certified substation turnkey services
- US based design and project execution teams
- Meet your design deadlines and delivery dates, allowing you to fulfill your commitments.

THE SOLUTION

The continued growth of renewable power generation requires increased dynamic reactive power compensation. MEPPI's experience in full EPC delivery of FACTS devices, our highly reliable technology and unmatched support makes MEPPI an ideal partner for hardening your system using FACTS.



FACTS OFFERINGS

Electric utilities are facing an array of challenges to provide reliable and sustainable power to meet increasing customer demand. These challenges are driven by evolving conditions arising from the retirement of coal power plants, increased renewable generation, and new power intensive industries such as data centers and advanced manufacturing that create new load centers. These developments require a more resilient grid with increased dynamic reactive power. FACTS (Flexible AC Transmissions Systems) such as STATCOM can address the challenges by providing dynamic reactive power for increased voltage stability.

STATIC SYNCHRONOUS COMPENSATORS (STATCOM)

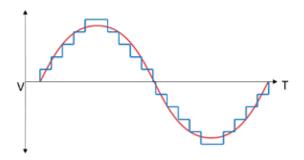
MEPPI's STATCOM technology utilizes Mitsubishi Electric's industry leading X-series Insulated Gate Bipolar Transistors (IGBTs) in a Full-Bridge configuration to build our sub-modules. These sub-modules are arranged in a Modular Multi-Level Converter (MMC) topology. By utilizing Pulse Width Modulation (PWM), our STATCOM is able to output a near perfect sine wave.

Key Features & Benefits:

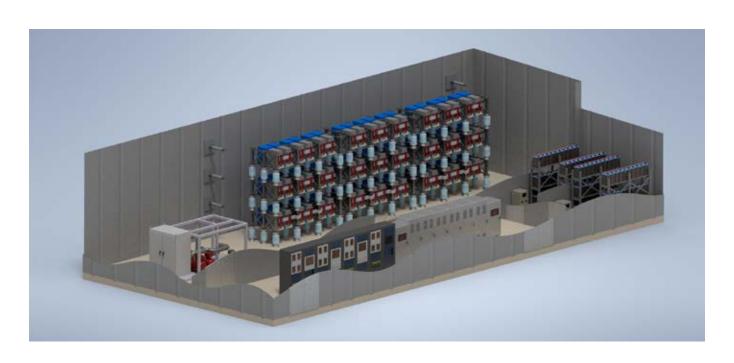
- Superior Low-Voltage output capacity
- Superior over-voltage suppression
- Stable operation when applied to weak systems
- Extremely low levels of harmonics products, such that filters are not typically required
- Reduced voltage loss
- Small footprint

Additional Available Features:

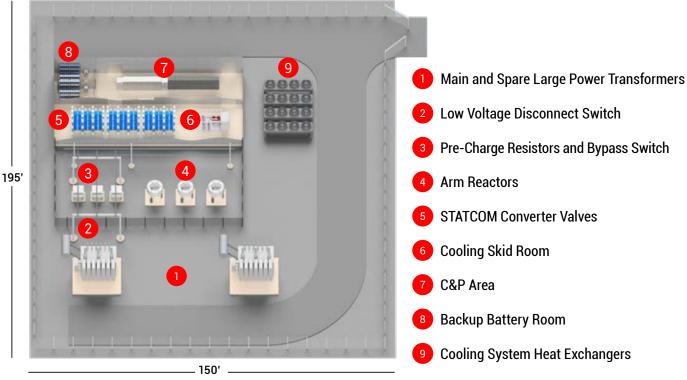
- Harmonic filtering
- Automatic gain control and optimization
- Power oscillation damping



MMC STATCOM: Simplified Output Voltage



COMPONENTS OF A STATCOM



AN ONGOING PARTNERSHIP

MEPPI is committed to the success of your project.

On time, every time

We'll work with your team to select from a range of high-quality components to meet your design requirements and all delivery and installation deadlines.

Comprehensive training programs

We make sure your team has the necessary skills to operate your system effectively.

Rigorous testing and commissioning

We ensure the system operates at peak performance and maximum efficiency.

Full-warranty wrap and long-term support

After installation, our dedicated support team will provide ongoing monitoring, warranty coverage, and exceptional after-sales service. SVC refurbishment and FACTS life extension is also available.

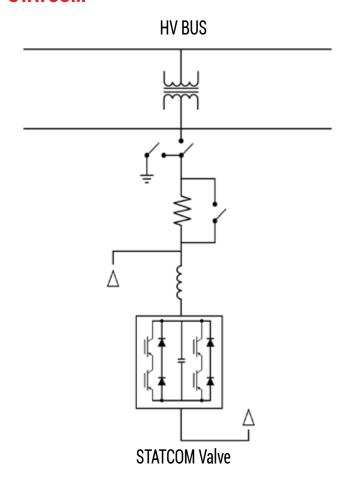
MEPPI brings Mitsubishi Electric's industry leading **HVDC-Diamond® technology** to the North American market. Utilizing our latest IGBT and MMC topology HVDC-Diamond® and Mitsubishi Electric's expert engineering we can deliver a system tailored to your needs.

Visit meppi.com/products or scan the QR code below



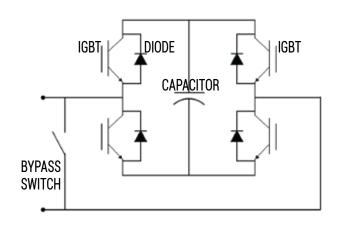
ELECTRICAL ONE-LINE DIAGRAMS

STATCOM





MMC SUB-MODULE







We're ready to work with you to strengthen your power system.

Visit meppi.com/FACTS or scan the QR code below



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Mitsubishi Electric Power Products, Inc. serves the North American power systems, rail transportation, and large visual display markets with electrical and electronic products, systems and services. The products offered include gas circuit breakers, vacuum circuit breakers, power transformers, gas-insulated substations, power electronics and electricity transmission technologies including high voltage DC, battery energy storage systems, generator services, nuclear power plant control systems, uninterrupted power supplies, rail transportation equipment, and high-definition LED displays for sports, commercial and retail installations. For more information and to learn more, visit www.MEPPI.com.