

Mobile Gas-Insulated Substations

CUSTOMIZED, PORTABLE AND
ENCLOSED MOBILE SUBSTATIONS
PROVIDE RELIABLE SOLUTIONS
AND REDUCE COSTLY DOWNTIME



A SELF-CONTAINED POWER PROTECTION OPTION

MITSUBISHI ELECTRIC POWER PRODUCTS, INC.

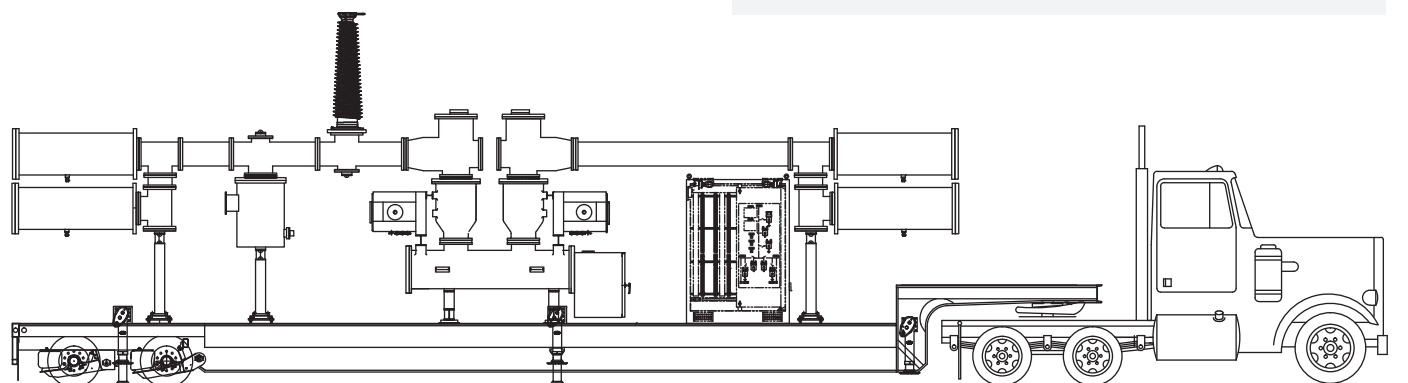
Your customers demand dependable electricity for their homes and businesses. MEPPi's Mobile Gas-Insulated Substations help deliver that reliability.

These portable solutions leverage MEPPi's expertise in GIS technology and decades of mobile substation experience to provide unparalleled flexibility for meeting your power protection needs.

Factory assembled, wired, and tested, they arrive on-site ready to meet a wide range of applications including permanent, temporary or emergency power supply, network extensions, temporary switching stations, or transformer stations.

No matter the requirement, MEPPi has a design to fit your needs. We will work with you to customize the ideal mobile solution to match your process, worksite, environmental conditions, and more.

Design options built to your specifications, plus quicker delivery and installation mean greater ROI.



Mobile Substation

MOBILE SUBSTATIONS INCLUDE:

- ◆ Current transformer (CT/ECT) and voltage transformer (VT/VCT)
- ◆ Circuit breaker with disconnect, ground, and fast-acting ground switches
- ◆ Local control cabinet with mimic diagrams
- ◆ Batteries and battery charger
- ◆ Ventilation fans (full HVAC available)
- ◆ Viewport cameras
- ◆ Stabilizing jacks, auto-lifting access doors, and drop-down floor platforms
- ◆ Optional SF6 monitoring systems available for customization
- ◆ High voltage GIS terminations such as SF6-air bushings or cable sealing enclosures (CSEs)
- ◆ Optional GIS surge arresters

All components required for deployment and operation.

FULL RANGE OF MV & HV OPTIONS:

- ◆ Medium voltage (MV) options from 15kV to 72kV
- ◆ High voltage (HV) options from 72kV to 500kV



230kV Enclosed Mobile Substation

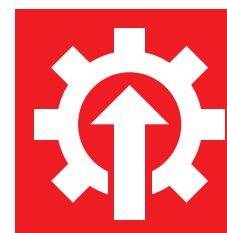
FAST, SIMPLIFIED TRANSPORT AND STREAMLINED INSTALLATION

MEPPi's GIS can be mounted on a standard flatbed trailer or integrated into a custom trailer fully enclosed with walls and a roof, enabling you to choose the best option for your site and weather conditions. Both options allow for easy loading and transport by tractor-trailer, rail, or ship to your site and arrive ready to install and commission.

Once on-site you can leave the substation mounted on wheels or remove them for longer-term installation. Simply deploy the built-in stabilizing jacks to level the substation and then proceed with set up and commissioning.

SPACE-SAVING DESIGN REDUCES COSTS, TIME, AND LABOR

- ◆ Smaller, space-saving footprint that allows greater flexibility for placement
- ◆ Choice of permanent or temporary installation that helps extend and increase your return on investment
- ◆ Readily transportable to another site for redeployment
- ◆ Streamlined installation accelerates start-up and reduces downtime
- ◆ Lowers maintenance and manpower costs



INCREASED EFFICIENCY



REDUCED COSTS



Configurable Protection and Relay Package (shown with SEL option)

QUANTIFIABLE BENEFITS THAT BOOST YOUR BOTTOM LINE

MEPPI's mobile substations let you tailor our solution to your needs, providing important operational and cost benefits compared to traditional GIS installations including:

- ✓ Mounting options to meet weather-related requirements.
- ✓ Up to 50% faster commissioning,* enabling you to accelerate projects and achieve ROI quickly.
- ✓ Smaller substation footprint.*
- ✓ Minimal installation costs.*
- ✓ Faster, lower-cost transport to your installation site.
- ✓ Easy transport of units into storage or other facilities when needed.
- ✓ Onboard spill containment that prevents contaminants from entering on-site soil.
- ✓ Greater protection against natural and man-made interruptions to your power grid.
- ✓ MEPPI's single, U.S.-based point of contact for service and support.

*Versus standard installations.

A MEPPI mobile substation costs less to design, transport, and install than a traditional GIS.

Learn more at www.meppi.com

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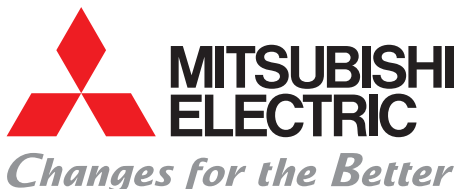
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for a greener tomorrow

