

# On-site Generation Solutions

Factory-Built. Field-Ready. Designed to Grow.

## Overview

When utilities can't deliver power fast enough or at the scale a project requires, distributed generation fills the gap. But generation alone isn't enough. You need a powertrain that safely and reliably connects generation to your load. That's what MCG builds.

MCG's switchgear, controls, protection, distribution, and storage systems are factory assembled and fully tested before arriving on-site, reducing construction risk and accelerating deployment. Field work is simplified to connecting proven modules instead of troubleshooting field-built systems, helping projects move faster with greater reliability from day one.

Power demands rarely stay static. Facilities expand, operations evolve, and high-density environments like AI data centers continue pushing energy requirements higher. MCG brings the industry expertise to help customers plan for growth, while our modular architecture allows infrastructure to scale alongside increasing load demands without replacing existing systems.

## Solutions

- **Modular Powertrain Systems:** Factory assembled switchgear, controls, protection, and distribution fully tested before shipment to reduce on-site work and accelerate deployment.
- **Microgrids:** Integrated on-site generation, storage, and load management engineered as one system.
- **Battery energy storage:** Stabilizes output and protects equipment during load fluctuations and demand spikes.
- **UPS Integration:** Seamless backup support for critical operations during power transitions.
- **Digital Controls and Monitoring:** Real-time system visibility to improve response time and uptime.
- **Renewable Integration:** Powertrain designs built to support solar, wind, and distributed energy sources.



## Why MCG

- Factory-tested powertrains arrive ready to perform, reducing commissioning time and deployment risk
- Trained technicians, proper tooling, and full documentation support every build from start to finish
- Reduced on-site risk with proven modular systems, eliminating complex field fabrication and troubleshooting
- Scalable architecture supports future expansion without major redesign or replacement of existing infrastructure
- Single-source accountability from design through commissioning, service, and aftermarket support
- More than 1.7 million sq ft of U.S. manufacturing capacity to support aggressive project timelines

## Get Started

Talk to an MCG engineer about your grid modernization priorities, project timeline, and site constraints.



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