

Semiconductor Power & Infrastructure

Stable. Precise. Built for Yield Protection.

Overview

Mission Critical Group (MCG) delivers resilient power infrastructure for semiconductor environments where precision, power quality, and uptime impact yield. Designed to support precision manufacturing environments where power quality and uptime directly impact yield protection, MCG provides engineered electrical systems for fabs, wafer facilities, testing labs, and production campuses.

Solutions

- **Switchgear & Distribution:** Low and medium voltage systems designed for stable semiconductor plant power supply.
- **Generator & Backup Power:** Paralleling systems and standby power to protect against utility disruptions.
- **Testing Power Support:** Clean, conditioned power for semiconductor testing equipment and validation systems.
- **Modular Power Solutions:** E Houses and prefabricated systems for fast fab expansion.
- **Power Quality & Maintenance:** Coordination studies, arc flash analysis, preventive maintenance, and nationwide field service.



Why MCG

- **Precision Power for Yield Protection:** Reduces voltage sag and power disturbances.
- **Built for Precision Environments:** Designed for semiconductor fabs and sensitive operations.
- **Redundancy Engineering Expertise:** Reliable systems supporting continuous uptime.
- **Accelerates Fab Expansion:** U.S.-based manufacturing supporting rapid deployment.
- **Lifecycle Power Services:** Commissioning, maintenance, and modernization support.

Powering What's Next

MCG delivers resilient power infrastructure that helps semiconductor manufacturers protect yield, maintain uptime, and support precision production environments.



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