



***We're Redefining On Site
Electrical Power***

**Optimize Your Critical Power
Infrastructure With Our
mGrid® Solutions**



Learn More



Contact: mgrid@wmeng.com

Wunderlich-Malec's mGrid® Solutions Redefine On Site Electrical Power

Wunderlich-Malec's innovative professional engineers deliver **mGrid®** Solutions that provide cost effective innovative energy sustainability to industrial, commercial and campus site generation and BESS storage facilities. We provide comprehensive site tested systems, ensuring seamless integration with your local power island infrastructure and the utility grid in compliance with IEEE and local utility requirements.

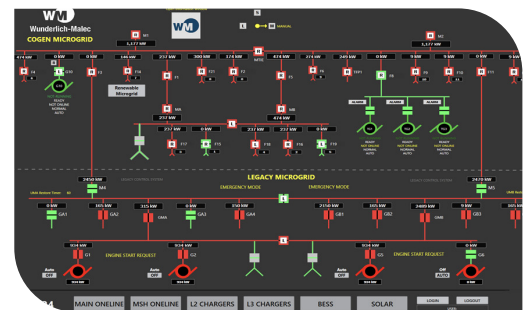
Plan For Critical Needs Use System Operations & Control Simulator (PSOC)

We are an independent expert in power system operations and control. We use our PSOC simulator to stress test your controls in various operational scenarios in a risk-free environment. It will assist in planning upgrades, expansions, operational decisions and training.

- **Protection & Control Engineering**
- **Conceptual One-Line Drawings**
- **Budget Development & Cost Control**
- **One Line & Three Line Diagrams**
- **Schematics & Wiring Diagrams**
- **Civil & Structural Design**
- **Specification Development**

Wunderlich-Malec's mGrid® Master Controller Ensures Continued Critical Power Is Provided During An Outage

Wunderlich-Malec's independent platform **mGrid®** master controller solutions utilize industry standard IEC 61131 structured text programming to provide flexible electrical control customized to your needs on your preferred platform!



Experienced Protection & Control System Design with Integrated Communication

Our engineers are skilled in substation design and electrical distribution engineering. From power system studies to advanced electrical system modeling and detailed designs, we have proven experience in delivering successful projects. We ensure compliance to IEEE and Utility Grid integration standards.

- **Advanced Communication Designs**
- **Skilled With IEC 61850, GOOSE Messaging & MMS Communications**
- **Experienced With Programming Leading PLC, DCS & SCADA Systems**
- **IEEE & Utility Compliant GRID Integration**
- **Direct Transfer Trip, Relay & DER RTU Testing & Integration**

Testing & Site Commissioning Services

We provide full-scope testing including relay and functional testing of control enclosure systems. We also offer site installation supervision, testing and commissioning services ensuring complete integration with all existing systems reducing risks and delivering fully operational systems.

- **Relay & Switchgear Turnkey Upgrades**
- **Site Installation Supervision**
- **Site Electrical System Testing**
- **Commissioning Services**



**Electric & Power
Engineering**