



AERODERIVATIVE TURBINES · BESS / HYBRID EMS · PLANT AUTOMATION

Industrial Controls for Power Generation & Energy Storage

From aeroderivative turbine controls and balance-of-plant to hybrid energy management and decentralized historians — we design, retrofit, commission, and support the systems that keep critical plants online. Practical, open-platform engineering for plant managers and maintenance supervisors who need reliable, maintainable controls without lock-in.

Power Generation Controls

GE LM2500/5000/6000 & P&W FT4/FT8 — Woodward, Mark VI/Vle, non-OEM systems. Full BOP support: compressors, SCR/ERU, fogging, water treatment. Retrofits, commissioning, and owner's rep.

Energy Storage & Hybrid EMS

Open, model-based EMS for BESS, renewables, and hybrid plants. MATLAB/Simulink-first. No black-box lock-in. On-prem or cloud historians with cyber security treated as core design.

Industrial Automation

PLC platforms (Allen-Bradley, Modicon, Beckhoff, Siemens, CODESYS), HMI/SCADA (Citect, Ignition, AVEVA), industrial networks, and historians — troubleshooting through completely new installations.

Model-Based Design

MATLAB/Simulink algorithms proven in simulation before plant cutover. Reduces risk on generation, storage, and hybrid projects. Field-tuned against real operating conditions.

HSI MC Series + VersaCore

CODESYS multicore edge controllers with 1 ms tasks and pre-integrated VersaCore decentralized historian. EtherCAT lock-step I/O. Scales from entry-level to real-time power generation.

Lifecycle Support

Design review, phased retrofits, startup & commissioning, remote monitoring, and term service agreements. Generation-grade depth that carries into storage and plant automation.

Ready to discuss controls for your plant?

Contact Heiberger Solutions for turbine/BOP support, open EMS architecture, MC Series controllers, VersaCore historian, or lifecycle service. Practical engineering for generation and storage fleets.

