



Heavy-Duty & Aeroderivative Field Engineering Services

Comprehensive Power Generation Controls System
Maintenance & Upgrades



Full Service Power Generation Maintenance Provider

Field Engineering Services

Our OEM-trained Field Service Engineers are highly experienced in control system maintenance & upgrades.

TC&E - A Division of AP4 Group & AP4 Power Services - A Division of AP4 Group provide expert support in all turbine and generator control systems.

Equipment We Support

Turbine Controls

- Gas, Steam, and Aeroderivatives
- GE Speedtronic MVI - MKVI
- GE MKVe - MKVIe
- Emerson Ovation
- DLN 1, 2.0, & 2.6 Tuning
- Aeroderivative DLE Mapping
- Toolbox, Cimplicity, and IDOS
- Fanuc 90-30/90-70
- Woodward 500/50X
- Netcon 5000
- Mirconet / Micronet+

Excitation

- GE Industrial Analog SCT/PPT
- Shunt BUS-FED
- GE Industrial Digital EX2000, EX2100, & EX2100e
- Basler DECS 200-400
- Basler DECS 2100
- Brush A12, A30, & A32
- ABB Unitrol

Generator Controls

- Generator Protection Panels
- Protection Relay Upgrades & Calibration Services

LCI Controls

- GE Legacy LCI
- GE Innovation LCI
- GE LS2100
- TMEIC LCI

Services We Provide

Controls Services

- Startup Support
- Troubleshooting & Repair
- Operator Training
- TIL Implementation
- Customized Logic
- NERC Testing MOD-027
- Owner's Engineer
- New Unit Commissioning
- Loop Checks & Calibrations
- Bently Nevada Support

Exciter Services

- Reliability Assessments
- Troubleshooting
- NERC Testing MOD-025-026
- Technician Training
- Upgrade Recommendations
- Owner's Engineer
- Commissioning & Testing Support

LCI Services

- Reliability Assessments
- Null Bias Offset Calibration
- Troubleshooting & Repair
- Water Cooled Bus Bar Replacement
- 89 Switch Maintenance
- Technician Training
- Upgrade Recommendations
- Owner's Engineer
- Commissioning & Testing Support

Other Services

- Control System Upgrades & Retrofits
- HMI Upgrades
- Operations & Maintenance
- Operator Training
- Electromechanical GCV, SRV, & IGV Upgrades
- Package Inspections and Calibration
- Performance Checks
- Borescope
- Aero GT & Generator Alignment
- Aero Engine Removal & Installation

Our talented field engineers are ready to assist you 24/7/365 anywhere in the world.



AP4 Group Operating Divisions



We have experts in every part of the world,
ready to support any request.

Corporate Headquarters
7060 Havertys Way, Lakeland, FL 33805
+1-855-823-2875
services@ap4.com
ap4.com