



*Do you need a Plant Electrical Engineer? Ask about “on-staff” from Power & Monitoring, Inc. We support plant operations.*

#### **OPERATIONS SUPPORT**

- Project Management
- Develop budget
- CPM schedule
- Plan, organize and control Operating Staff, Contractors and Consultants
- Develop testing plans/documents
- Report to Plant Management

#### **INSTRUMENTATION**

- Select instruments and sensors
- Develop wire/conduit/cable tray requirements
- Arrange for powering of instruments
- Develop P&IDs
- Specify grounding and Surge Suppression
- Intrinsic safety aspects

#### **POWER**

- Modify Motor Control Centers
- Modify Substations, Coordination
- Modify Power Distribution System, HV and LV
- Grounding, TVSS
- Electric capacity, generator capacity, critical load capacity
- Dynamic 1-lines
- Cogeneration
- Power Monitoring
- Harmonic evaluations and correction

#### **CONTROL**

- Develop PLC, DCS or SCADA requirements
- Select Hardware / Software
- Panel Engineering
- HMI Requirements
- Develop Screen Displays
- Develop Alarming Strategy
- Develop Trend Groups
- Develop motor control requirements and/or logic (ladder, state, pseudo code)
- Develop machine control or process control requirements

Not all plants need an Electrical Engineer on staff full time. But all plants need a competent Electrical Engineer to be responsible for the care of plant facility infrastructure, production changes, plant modifications and reporting to management on the state of the plant and areas needing attention. But to meet this need does your budget have to bear the cost all year long? Not with “on-staff”.

“On-staff” delivers this competence without breaking your budget. Our Engineer can “own” your plant one day a week, or one day every two weeks. You get what you need and your budget saves 80%.