



Electrical

O'Brien & Gere's electrical engineers provide preliminary feasibility studies, facilities design, and construction management services of power generation, distribution facilities, and a variety of in plant electrical systems. Experience in power systems ranges from commercial and industrial plant low voltage (600 V) power distribution centers to large utility class transmission substations. Major plant distribution systems include high, medium, and low voltage components (switchgear, substations and transformers).

In addition, O'Brien & Gere's electrical engineering staff has extensive experience in lighting, fire protection and life safety signaling systems, emergency power generation, process control, and instrumentation.

Areas of technical expertise include:

- Aerial and underground medium voltage distribution up to 34.5 kV
- Medium and high voltage substations
- Underground primary and secondary distribution systems
- Protective device coordination studies/short circuit studies
- Low voltage single and three-phase systems (120/249V, 120/208V, 208/120V, 277/480V, 480/277V) and internal building distribution
- Load studies, including field monitoring
- Power quality studies including grounding and harmonic analysis
- Uninterruptable power systems
 - Standby power generators
 - Emergency generators
 - Paralleling of generators
 - Automatic power transfer schemes
- Cogeneration systems
- Interior/exterior lighting
 - High bay
 - Office
 - Warehouse
 - Energy efficient low bay
 - Administrative
 - Factory
 - Plant site lighting
- Wire tracing
- "As-built" of power and control wiring for plants
- Troubleshooting of wiring systems
- Modifications/upgrades to power distribution systems

CONTACT US

For more information please visit our website at www.obg.com or e-mail info@obg.com

