

Renewable Energy Industry



O'Brien & Gere offers a broad array of engineering, construction management, and system integration services to lead alternative energy companies in the development of new projects or the operation of existing facilities. The firm has helped companies engaged in the following forms of alternative energy:

- Cellulosic ethanol production
- Ethanol production
- Grain biodiesel manufacturing
- Wind energy
- Fuel cell manufacturing
- Microturbine technology
- Biomass conversion

Industrial, municipal, and institutional clients team with O'Brien & Gere to enhance their existing energy management systems by:

- Evaluating alternative fuel feedstocks
- Conducting energy audits
- Designing and constructing new energy facilities

O'Brien & Gere can enter your project at any point in the project life cycle, from site selection and permitting, to conceptual design, on through construction and start-up.

The firm's diverse experience in this industry ranges from the environmental permitting of a three million gallon per year biodiesel manufacturing facility to the permitting, final design engineering, and construction management support of one of the nation's largest ethanol manufacturing facilities.

Services are provided during the following phases:

- Pre-construction support
- Engineering and design
- System integration and fabrication
- Construction management and operations

The following summarizes the range of services O'Brien & Gere can provide during each project phase.

PRE-CONSTRUCTION SUPPORT

- Preliminary site layouts
- Site feasibility studies
- Right-to-Build approvals
- Comprehensive environmental permitting (air, water, and wastewater)
- Environmental assessments and impact analyses
- Federal and state grant preparation
- Brownfields/tax credit support
- Natural resource reviews

CONTACT US

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



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ENGINEERING & DESIGN

- Site/civil engineering
- Site design, including plant layout and railroad access
- Geotechnical engineering
- Structural and architectural engineering
- Erosion and sediment control plans
- Electrical power and distribution design
- Electrical instrumentation and controls
- Heating, ventilation, and air conditioning (HVAC)/ mechanical and piping design
- Control systems integration
- Cost estimating and project scheduling
- Air pollution control design
- Water and wastewater treatment system design

SYSTEM INTEGRATION & FABRICATION

- 60,000 square foot manufacturing facility to provide modular skids and control panel fabrication
- Process verification by performing shop testing of integrated systems

CONSTRUCTION MANAGEMENT & OPERATIONS

- Contract administration
- Commissioning and start-up services
- Operations and maintenance (O&M) support
- Water and wastewater treatment plant O&M
- Performance and compliance testing services
- Continuous emissions monitoring and maintenance
- Facility environmental management support

