



environmental services

⌘ **SSOE**<sup>®</sup>. making clients successful.



**Why SSOE?** The SSOE Experience is the combination of our Value Promise and Great Client Service that results in trusted relationships.

To consistently exceed clients' expectations is a common goal in our industry. So, how is our promise of outstanding performance any different from others? We have proof. Greater than 98% of clients we surveyed would recommend SSOE Group to a colleague. And more than 150 of our clients have been with us for at least 20 years. These endorsements are a result of our Great Client Service—our corporate-wide commitment to understand and exceed your expectations and deliver unexpected benefits.

For decades, we've found ways to deliver greater value to clients. You can count on us to deliver high quality projects, on schedule, with fewer problems, and for lower total cost to save you time, trouble, and money. Through this Value Promise SSOE returned 105% of our fee to clients in the form of project savings over the last 5 years.

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## **Advantages of our Environmental Services**

- As an architecture, engineering, and construction management firm, we have the ability to integrate environmental services into each phase of a project — from planning through post construction.
  - Our clients benefit from our extensive experience in compliance issues. Regardless of the scope, location, or type of facilities, we can assure your project will meet the requirements of various agencies and governing bodies.
  - With a staff dedicated to this specialized service, we make it a priority to stay current on changes to regulations, and understand when and how to negotiate an issue.
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**“SSOE responded to our needs. We needed help securing permits to construct a new propane production facility. The project had an aggressive design-to-construction timeline, so we needed a multi-disciplined team that could simultaneously incorporate permitting requirements into the design of the facility. SSOE knew exactly how to work with local, state, and federal agencies to successfully prepare our air permits, land disturbing permits for construction, stormwater permits for construction, wetlands permits, a tall structure permit, and FAA approval for flight zone. There were also Homeland Security requirements due to the chemicals on the site. Their experts were indispensable. I’d recommend them without reservation.”**

Frank Lewis, Field Construction  
Provident Energy

VALUE  
PROMISE

**Opportunity:** Volkswagen needed to obtain an air permit on an extremely tight deadline. The permit was required before any footers could be poured for its new \$1 billion assembly plant.

**Action:** SSOE immediately mobilized a team in Germany and the U.S. to meet the demands of the timeline and permitting requirements. Our environmental team, designers, construction manager, and sub consultants collaborated closely with Volkswagen and government agencies to assemble the application.

**Results:** The permit was issued in only 63 days — 30 days less than any similar permit had been approved in the U.S. — resulting in a huge impact on the construction schedule and Volkswagen’s bottom line.

## Project Types

### EPCM

- Air pollution control systems
- Industrial wastewater systems
- Landfill design
- Sewer lines
  - Gravity flow
  - Pressurized
- Site grading and drainage
- Spill containment for tanks / loading and unloading areas
- Stormwater control / BMPs

### Permitting

- Air
- Land disturbance
- Storage tanks
- Stormwater
- Waste
- Wastewater
- Water

### Plans

- Containment
- Contingency planning
- Greenhouse gas monitoring plans
- Risk management plans

- Spill Prevention, Control, and Countermeasures (SPCC)
- Stormwater Pollution Prevention Plan (SWPPP) development
- U.S. Coast Guard and EPA facility response plans

### Regulatory Compliance

- Air
- Auditing
- Containment
- RCRA (Resource Conservation and Recovery Act)
- Stormwater
- Waste

### Regulatory Reporting

- Air
- Emergency Planning and Community Right-to-Know Act (EPCRA) reporting
- Superfund Amendments and Reauthorization Act (SARA) 312 / 313
- Greenhouse gas reporting
- Resource Conservation and Recovery Act (RCRA)
- Waste

### Siting

- Environmental reviews
- Phase I and Phase II environmental site assessment management

## Representative Clients

- American Electric Power
- Heinz
- Jefferson Industries
- JM Smucker
- Johns Manville
- Ohio Pickling & Processing
- Owens Corning
- Provident Energy
- PSC Metals
- Purdue Pharma
- Volkswagen
- Xunlight

## Locations

Albany, NY  
Alliance, OH  
Atlanta, GA  
Birmingham, AL  
Chandler, AZ  
Chengdu, China  
Cincinnati, OH  
Columbus, OH  
Hamburg, Germany  
Huntsville, AL  
Kalamazoo, MI  
León, Mexico  
Lima, OH  
Midland, MI  
Monterrey, Mexico  
Mumbai, India  
Nashville, TN  
Omaha, NE  
Penang, Malaysia  
Portland, OR  
Raleigh-Durham, NC  
Riverside, CA  
St. Paul, MN  
Santa Clara, CA  
Shanghai, China  
Shenzhen, China  
Toledo, OH  
Troy, MI  
Washington, DC

## Markets

Energy  
Life Sciences  
Manufacturing / Process  
Telecommunications

## Services

Architecture  
Construction management  
Data / Fire / Security  
Energy consulting  
Engineering  
Master planning  
Procurement  
Project / Program management  
Site selection  
Tool install  
Virtual Design and Construction

## Rankings

*Engineering News-Record (ENR)*

- Top 10 Manufacturing Design Firm for the past 6 years
- Top 100 Green Design Firm for the past 9 years

*Building Design + Construction*

- Top 10 Engineering / Architecture Firm for the past 5 years

Named "Best AEC Firm to Work For"  
*(Building Design + Construction)*

Named a "Great Workplace"  
*(Great Place to Work®)*

## SSOE Facts

- SSOE was founded in 1948 and currently has more than 20 locations worldwide.
- We are a global project delivery firm for architecture, engineering, and construction management, with projects in 40 countries.
- SSOE offers program management services from design through construction, to commissioning and start-up, for seamless project delivery.
- SSOE's focus is using the appropriate project delivery method for your goals, including Virtual Design and Construction (VDC), which brings our clients better and faster results through more integrated teams and advanced technologies. Even when a more traditional delivery model is used, you'll see significant benefits from the collaboration strategies and technological capabilities our leadership in VDC necessitates.