



Petroleum Solutions





Why SSOE Group?

SSOE has an in-house staff of engineers, technicians, and project managers dedicated to serving the unique needs of the petroleum industry. SSOE has applied their skills for design, procurement, and construction management to assist our petroleum customers in meeting their business objectives.

Our specialists bring first-hand experience working in a petroleum environment, this enables them to meet the unique challenges found in petroleum operations. SSOE's team uses the latest software, such as process simulation, "Smart" P&ID software, pipe stress analysis, structural analysis, electrical power coordination, and project scheduling to be able to respond quickly to develop cost-effective solutions for our clients.

Testimonials

"It's critical that our project teams work together seamlessly and follow our processes. That's one reason we've worked with SSOE on several projects. Their designers and engineers have been reliable and professional. SSOE consistently met its deadlines, which made it easier to realize our goal of working within budgets and schedules."

Ted Blum
Terminal Engineering Supervisor
Marathon Petroleum Company, LLC

David Mack
Terminal Engineering Supervisor
Marathon Petroleum Company, LLC

Technical Specialties

- Front-end concept engineering and studies
- Cost estimating and budgeting
- Feasibility studies
- Process engineering
- Process simulation
- P&ID development
- Process hazard reviews
- Instrumentation and controls
- Vessel and tank concept design
- Equipment specification and procurement
- Pump / equipment sizing
- Detailed design
- Pipe stress analysis
- Support facility design (offices, maintenance, firehouses, control buildings)
- Power distribution
- Power system coordination
- Arc flash study
- Hazardous area classification
- Pipe supports and foundation
- Hazardous and flammable storage
- Start-up services
- 3D CADD modeling
- Fire protection

Project Types

- Refining
- Terminal operations (asphalt, marine, light products)
- Pipeline design
- Environmental compliance
- Facilities siting
- Infrastructure (utilities, roads, sewers, power)
- Inside battery limit improvements
- Off-site modifications and additions
- Process improvements
- Retrofits / upgrades
- Risk management
- Security
- Tank farm improvements
- Turnaround services
- Wastewater treatment





SSOE Overview

SSOE is an international leader in providing comprehensive EPCM services to diverse clients. For more than 60 years, we've applied our skill, creativity and cutting-edge technology to solutions that enable our clients to meet their business goals.

Approach

Our goal on any project is to provide the best possible design for your needs, earn your future business, and assure that the relationship we build will make future projects even more successful.

SSOE Facts

- International EPCM firm with 23 locations worldwide
- 12th nationally among Engineering / Architecture firms (*Building Design + Construction*, 2010)
- 5th nationally among Industrial Design Firms (*Building Design + Construction*, 2010)
- 2nd nationally among Green Industrial and Manufacturing Design Firms (*ENR*, 2010)
- 9th nationally among Chemical Plant Design Firms (*ENR*, 2010)
- 39th nationally among the Top 100 Green Design Firms (*ENR*, 2010)
- Frontrunner in the practical utilization of Building Information Modeling
- Focus on long-term relationships resulting in 85% repeat business
- Global experience includes projects in more than 30 countries
- Our energy consulting service offers a holistic approach to meeting your renewable energy, conservation, and sustainable design goals
- Our project management standards are drawn from the Project Management Institute. In fact, SSOE's goal is to have all of our project managers earn its prestigious designation of Certified Project Management Professional (PMP).
- SSOE offers program management services from conception through construction, to commissioning and start-up, for seamless project delivery
- ISO 9001 certified





Markets

- Government
- Life Sciences
 - Education
 - Healthcare
 - Pharmaceutical
 - Science and technology
- Manufacturing / Process
 - Automotive
 - **Chemical / Petroleum**
 - Consumer products
 - Food
 - General manufacturing
 - Glass
- Power
 - Investor-owned utilities
 - Municipal
 - Renewable energy
- Telecommunications

Services

- Architecture
- BIM
- Construction management
- Data communication
- Energy consulting
- Engineering
- Loss prevention
- Machine design
- Master planning
- Procurement
- Program / project management

Locations

- Alliance, OH
- Beijing, China
- Cedar Rapids, IA
- Chicago, IL
- Cincinnati, OH
- Columbus, OH
- Irvine, CA
- Kalamazoo, MI
- Lima, OH
- Midland, MI
- Mumbai, India
- Nashville, TN
- Newark, OH
- Omaha, NE
- Phoenix, AZ
- Raleigh-Durham, NC
- St. Paul, MN
- Seattle, WA
- Shanghai, China
- Tianjin, China
- Toledo, OH
- Troy, MI
- Washington, DC



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