

site selection through start-up

****Ssoe***. 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.

Project Inquiry

Determine search criteria
Work with client team to
reach consensus on key
project objectives and criteria
Develop a client-specific site
selection checklist

Understand driving force

Do you have a firm completion date driven by market demand or an expiring lease, or is cost more of a determining factor?

Establish a project timeline and milestones



Advantages

- We look at site selection from the vantage point of complete project development. As a global project delivery firm for architecture, engineering, and construction management we have developed projects for many types of markets, we understand the characteristics that make a site suitable to your specific building type. We consider factors that other site selection firms may not — factors that can reduce your time, cost, and risk.
- Obtaining fully integrated services allows you to complete a project with a single team working together to achieve project goals from beginning to end. This avoids the delays, cost, and miscommunications that can occur during the multiple hand-offs in others' approach. Our team has multiple offices across the globe and has worked in even more locations. We use this knowledge of local construction procedures, materials costs, and the permitting climate to build realistic project schedules and budgets. This knowledge expedites and optimizes the design, construction, and start-up of the facility as well.
- We've designed and built multiple types of facilities and processes which give us accurate, firsthand understanding of specific site requirements for a wide range of facilities.
- Our site selection recommendations are unbiased and are not influenced by commissions or affiliations to specific geographic regions.
- We maintain strict confidentiality throughout the site selection process, beginning with the development of the selection criteria in collaboration with you.

Location and Site Analysis

Narrow the field of options by using the approved site criteria:

- Consider geographic variables such as workforce availability and wages, education environment, proximity to supply chain/logistics (rail, port interstate, etc.), taxes, real estate, utilities, incentives, quality of life, climate, availability of materials, quality of site (soil earthwork efforts, wetlands, air permit)
- Assess risk (natural disaster, political, social/safety, economic and currency, regulatory, timing, environmental)
- Determine potential site constraints (future expansion limitations, required permitting, environmental issues, zoning)

Contact selected locations

Develop estimated schedule and cost models

Decision

Final negotiations **Permits** Research local partnerships

RFP development

Feasibility

Finalize incentives and financing

Design and Construction

Site master planning

Programming

Schematic design

Energy consulting

Facility design

(architecture/engineering)

Site preparation and development

Utilities

Manufacturing process design

LEED® services

Traffic engineering

Facility construction

Equipment installation and relocation

Start-Up and **Operations**

Relocation support

BIM facility management

Development and training

Owner operations manual, maintenance, and warranties

Post occupancy support

Labor force issues

Recruitment

Building commissioning

Property management

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 Shanahai, 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 5 Automotive Plant Design Firm for the past decade
- Top 5 Semiconductor Design Firm for the past 5 years
- Top 10 Food and Beverage Design Firm for the past decade
- Top 10 Manufacturing Design Firm for the past 6 years
- Top 20 Chemical Plant Design Firm for the past decade

ENR Global Sourcebook

- Top 10 International Automotive Plant Design Firm for the past 5 years
- Top 35 International Manufacturing Design Firm for the past 5 years

Building Design + Construction (BD+C)

 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.



