



Why SSOE Group?

Rising material and labor costs are eroding our clients' profits. One of the most effective ways we help offset those costs is by using advanced technology on multiple aspects of a project. True to SSOE's reputation as an early adapter of AEC technologies, we embraced BIM years before many of our peers. As software has changed to incorporate BIM requirements, we have found the more experienced the user the greater the value it can create. We've been able to compress project schedules, lower construction and operational costs, and assure quality on some of the largest construction projects in the U.S., as well as small scale renovations.

Results like this confirm we made the right decision. SSOE executes 100% of all new projects using 3D technology. Supporting that effort is our full-time R&D department whose job it is to customize and optimize software for client-specific applications. Our proficiency with BIM and its modeling capabilities are providing clients with a dramatically more efficient design and construction process.

Representative Clients

- BMW
- Community Hospitals and Wellness Centers
- General Motors
- Honda
- Magna – Steyer
- Meijer
- Quaker
- Toyota
- US Xpress
- Vanderlande Industries



Benefits of BIM

Best facility possible

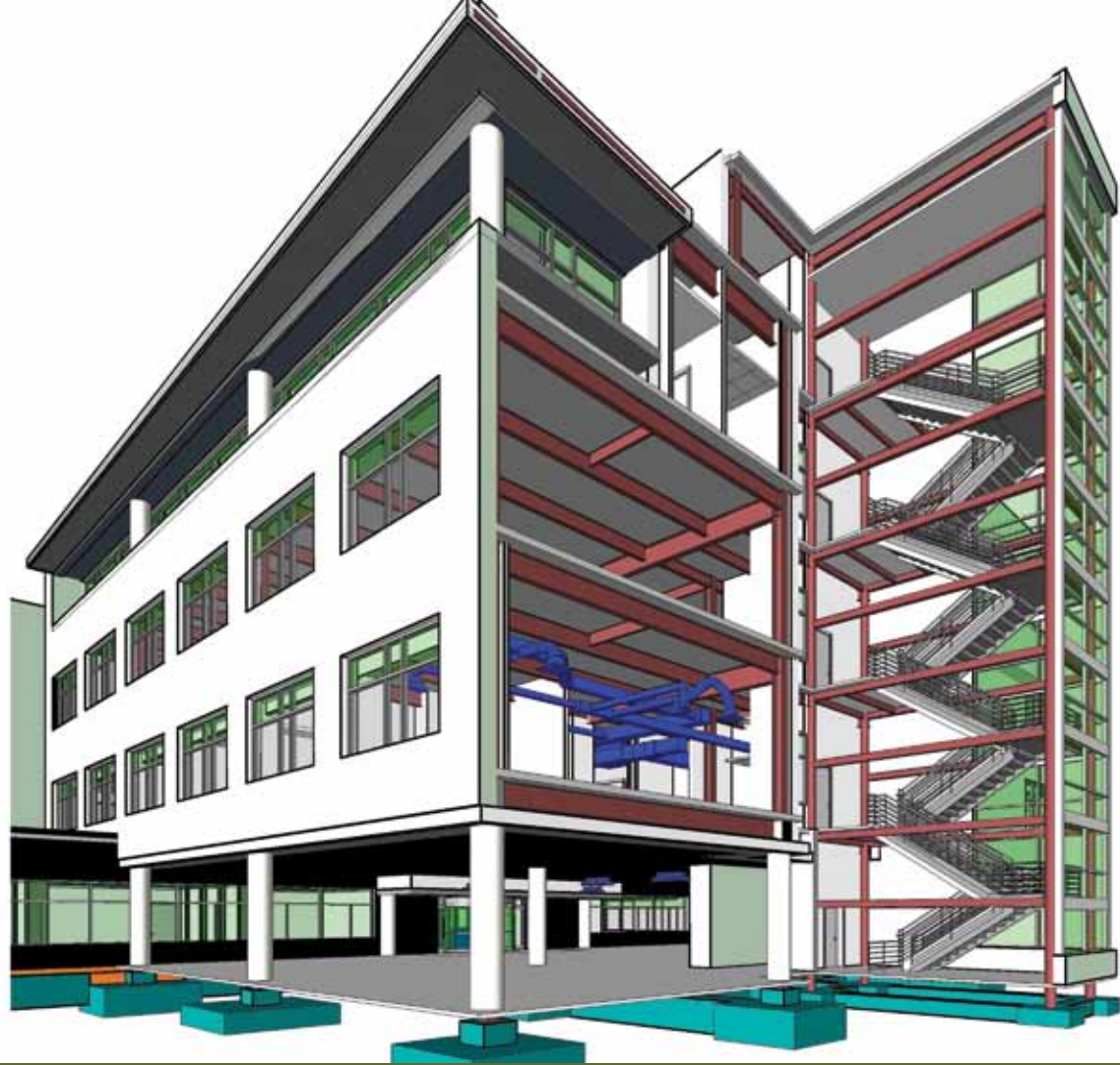
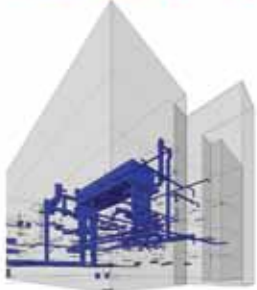
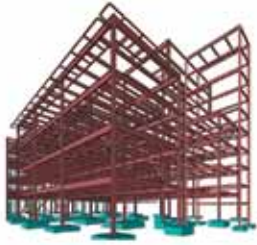
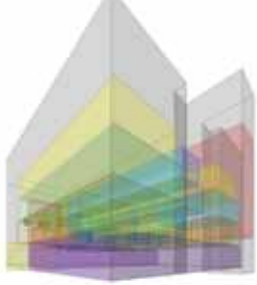
- Removes the abstraction of interpreting design documents by providing a literal interpretation of design intent.
- Allows more interaction and meaningful conversation during the review process.
- Opens the review process up to non-technical stakeholders.
- Helps eliminate the statement "I didn't know it was going to look (or work) like that!" by allowing virtual views of the facility or process throughout design development.

Cost savings

- Assists with producing more accurate estimates of construction material quantities which allows the contractor to lock in construction material prices.
- Identifies interferences before construction ever starts to avoid costly changes in the field and reduces the number of "Requests for Information".
- Reduction of details helps eliminate errors in the field that might slow down the schedule and increase construction cost.
- Diminishes travel time to design reviews by allowing multiple sites in multiple time zones to view via the web.

Schedule acceleration

- Depiction of plans, elevations, and sections are done in one operation allowing a greater percent complete sooner in the schedule, which in turn allows mill orders, fabrication, and steel erection to happen sooner.
- Assists in creating piping isometrics and spool drawings which include automated Bill of Material statements.
- Generates drawings and reports directly from the model which can reduce the number of "shop drawings" from the contractor's scope of work.



SSOE Facts

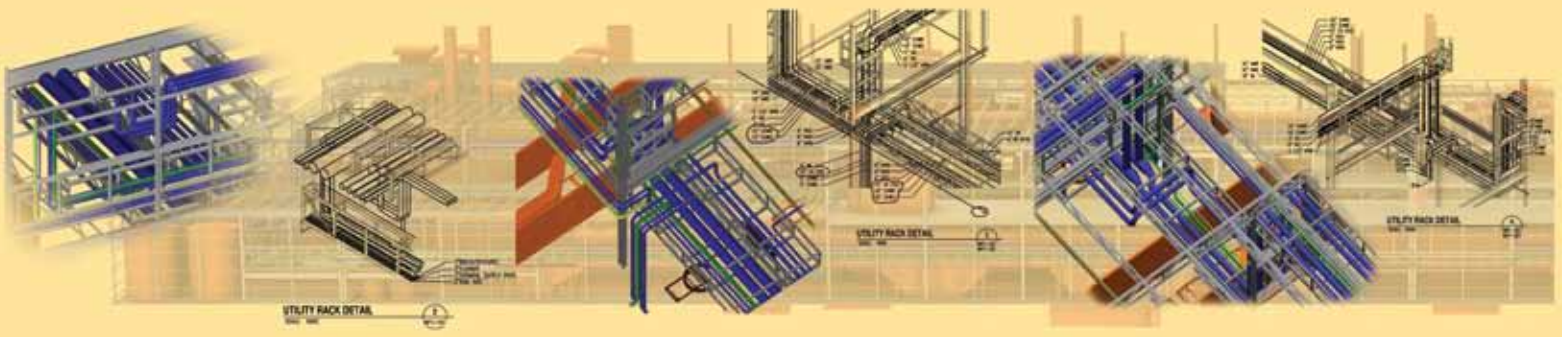
- International EPCM firm with 24 locations worldwide
- 1st nationally among Green Industrial and Manufacturing Design Firms (*ENR*, 2011)
- 36th nationally among the Top 100 Green Design Firms (*ENR*, 2011)
- 14th nationally among Engineering / Architecture firms (*Building Design + Construction*, 2011)
- Global experience includes projects in more than 30 countries
- Multi-disciplined LEED® accredited professionals
- 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
- Focus on long-term relationships resulting in 85% repeat business
- ISO 9001 certified

SSOE Overview

SSOE Group 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.

Philosophy

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



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
- Sao Paulo, Brazil
- Seattle, WA
- Shanghai, China
- Tianjin, China
- Toledo, OH
- Troy, MI
- Washington, DC

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