



aerospace and defense

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 our diversified clients. With over 30 years of experience in cleanroom design and installation for clients in the manufacturing industry, SSOE provides an economical, energy-efficient option for complete cleanroom services. Our combined team of engineers and designers are familiar with the paint and chemical processes involved in aerospace manufacturing, working with our clients to meet their needs and goals, increasing productivity and decreasing overall cost. Using the newest trusted 3D technologies as our platform, we bring a new level of sophistication to the design and construction process for our 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 past 5 years.

---

**"Our projects have unique electrical and mechanical applications with extensive involvement by the facilities staff of Dynetics. SSOE understood our requirements, provided solutions, and incorporated them into a building that is both functional and comfortable to work in."**

Tom Krueger, Lead, Maintenance  
Dynetics

---

## Advantages

- Continually evolving with the aerospace industry, our flexibility and creativity allows us to fully support a project development environment that demands predictability in terms of quality, schedule, and budget, addressing constantly changing specifications within tight timelines. When it comes time for retrofit of an assembly line, we are perfectly positioned to assist.
- Designing unique and customized processes in specialized environments is our forté. We complete a majority of our design in 3D, achieving optimal facility design through highly proficient equipment and production integration.
- Collaboration is key. Through our work on thousands of industrial projects, we have developed highly integrated delivery methods, which result in higher quality results and significant schedule compression, saving our clients time, trouble, and money. As a Top 10 Manufacturing Design Firm for the past 6 years (*ENR*), SSOE has set itself apart from the competition by delivering these integrated project solutions to the aerospace and defense industry.
- We are committed to our goal of minimizing waste and maximizing value through process improvements by providing upfront project planning, design, construction, and operations support. By building long-term relationships with clients, we are able to develop an intimate knowledge of their processes and offer design and construction alternatives, continuously adding more value as time goes on.



## Project Types

- Assembly plants
  - Stamping presses
  - Plastics injection molding
  - Body welding
  - Paint shops
  - Final trim / assembly
- Central Utility Buildings (CUBs)
- Composite material facilities
- Data centers
- Headquarters and offices
- Manufacturing plants
  - Die casting
  - Stamping
  - Foundry
  - Machining
  - Subassembly
  - Final testing
- R&D and testing
  - Cells
  - Dynamometers
  - Environmental chambers
  - Noise, Vibration, and Harshness (NVH) rooms
  - Radio frequency interference chambers

## Representative Clients

- AEGIS Technologies
- Air National Guard
- Airbus
- Arnold Air Force Base  
Global Engine Test Facility
- Avion Solutions
- Boeing
- Camber Corporation
- CFD Research Corporation
- COLSA Corporation
- Davidson Technologies
- deciBel Research
- Dynetics
- General Dynamics
- GE
- Hartzell Propeller
- Kratos Defense
- LogiCore
- NASA
- Raytheon

## Technical Specialties

- 3D visualization / BIM modeling
- Architectural design
- Cleanroom design
  - Cleanroom renovation / upgrades
  - Cleanroom systems solutions
- Carbon / Carbon fiber
- Code compliance
- Construction management
- Data / Fire / Security
- Energy consulting
- Engineering solutions
- Feasibility studies
- Greenfield and brownfield design
- Integrated Steel Delivery
- Life safety
- Security systems
- Site selection
- Start-up and Commissioning
- Tool install

## 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  
Machine design  
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 10 Manufacturing Design Firm for the past 6 years
- Top 25 Industrial Process Design Firm for the past decade

*ENR Global Sourcebook*

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

*Building Design + Construction*

- Top 10 Engineering / Architecture Firm for the past 5 years
- Top 15 BIM Engineering Firm for the past 6 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.



[www.ssoe.com/aerospace](http://www.ssoe.com/aerospace)



© SSOE Group, 2017

The USGBC logo is a trademark owned by the U.S. Green Building Council and is used by permission.