



test track

⌘ 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.

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### **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, 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.

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## Advantages

- Our expert understanding of test track surfaces and the techniques to develop simulations of real world surfaces make SSOE the “go to” resource for manufacturers who want to provide safer, durable, and more refined components and vehicles. We have worked on 11 test track projects in the past decade, and three have included autonomous vehicle research.
  - When it comes to enhanced performance, SSOE is dedicated to the ongoing development of the 3D surface and utility modeling software programs that you need to run successful test track projects. These programs accelerate the process of going from concept to finished product, while optimizing construction costs.
  - SSOE is consistently ranked among the top 5 automotive design firms and in the last 20 years we have designed 12 automotive plants. This strong base of experience allows us to develop solutions that are unique to your facility’s location, criteria, and performance objectives.
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## Test Track Types

- Basalt tile pads
- Belgium block
- Brake slope facilities
- Brake soak pool
- Chip and splash test roads
- Clutch slope
- Durability test areas
- Dynamic handling courses
- Frame twister
- Grade climb tracks
- High speed, super-elevated test tracks
- Hot-mix asphalt test tracks
- ISO pad
- Low coefficient test facility
- Noise, Vibration, and Harshness (NVH)
- Off-road durability courses
- Paved rough road courses
- Rough off-road courses
- “Shakedown” tracks
- Skid pads
- Special profile roads
- Squeak and rattle tracks
- SUV test areas
- Vehicle dynamics area
- Winding road test tracks

## Representative Clients

- FCA US, LLC
- General Motors
- Honda
- Nissan
- Teledyne Corporation
- Toyota
- Transportation Research Center of Ohio
- Volkswagen

## Locations

Alliance, OH  
Atlanta, GA  
Birmingham, AL  
Chandler, AZ  
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  
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 9 years
- Top 10 Manufacturing Design Firm for the past 5 years

*ENR Global Sourcebook*

- Top 10 International Automotive Assembly 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 4 years
- Top 10 Industrial Engineering Firm for the past 4 years
- Top 15 BIM Engineering Firm for the past 5 years

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

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