



automotive testing

⌘ 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.

Advantages

- We have the range of in-house disciplines to resolve one of the most complex challenges of developing a technical facility—integrating the divergent equipment and systems needed to perform specific tests. Your SSOE-designed facility will function seamlessly.
- SSOE has saved automotive clients countless headaches, time, and money in developing new—or redeveloping existing—centers by executing projects through design-build or engineering, procurement, and construction management (EPCM) delivery methods. Our efficiency and ability to control all aspects of the project payoff for our clients.
- Our experts have a broad range of experience with major testing facilities in the automotive industry.

“Since 1989, we’ve chosen SSOE over other A/E firms based on their full-service capabilities, quality, and experience. They have been able to meet our ever-changing needs. SSOE has been involved in creating our R&D facility from schematic concepts to the world-class facility it is today.”

Andrew J. Wagner, Facilities Manager
Honda R&D Americas, Inc.

Representative Clients

- AC Rochester
- Clemson University
- Chrysler
- Dana Corporation
- Ford
- General Motors
- Honda
- Newman Technology
- Nissan
- Teledyne Technologies
- Toyota
- Volkswagen
- American SHOWA Research & Development
- Transportation Research Center



Project Types

Facilities

- Air bag testing
- Anechoic chambers
- Audio evaluation
- Component testing
- Crash test facilities
- Dummy calibration labs
- Dynamometers
- Emission test cells
- Environmental chambers
- Hot / Cold chambers
- Impact labs
- Noise, Vibration, and Harshness (NVH) facilities
- Radio-frequency chambers
- Sled testers
- Thermal oxidizers
- Wind tunnels

Test Tracks

- Belgium block
- Chip and splash corrosion testing roads
- Clutch slopes
- Dynamic handling courses
- Frame twister
- High speed combination
- ISO pad / brake soak pools
- Low coefficient test facility
- NVH
- Off-road durability courses
- Paved rough roads
- Post production ‘shakedown’ tracks
- Special profile roads
- Winding roads

Technical Specialties

- Architectural – Noise control
- Civil – Utility supplies customized to equipment needs
- Controls – Interlocks to ensure system shutdowns in emergency situations
- Electrical – Allowances for equipment that produces and consumes energy
- Fire protection – Safeguards for hazardous chemicals and fumes
- Mechanical – Cooling water, engine air, engine cooling, and controlling wide temperature shifts
- Site selection – We consider factors that can reduce your time, cost, and risk
- Structural – Seismic mass, foundations, and isolation systems

Locations

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
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

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

- Top 10 Engineering / Architecture Firm for the past 5 years
- Top 10 Industrial Engineering 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/automotive



© SSOE Group, 2017

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