



AUTOMOTIVE

SSOE'S ROSTER OF CLIENTS MANUFACTURES MORE THAN 50% OF THE CARS SOLD IN THE WORLD



ACEC GRAND AWARD FOR ENGINEERING EXCELLENCE

Volkswagen's \$1 Billion+ Automotive Assembly Facility

Full design and construction management

2.7 million SF facility

First and only LEED® Platinum automotive manufacturing plant in the world

First LEED® platinum industrial campus in the U.S.

Put simply, there is no other choice when it comes to automotive facility design. We are the firm of choice for the world's most successful and innovative automotive manufacturers. Our performance speaks for itself, and historically our design pays for itself—literally—returning hundreds of millions of dollars to our clients in the form of cost savings.

Seasoned Professionals. Our staff averages nearly 20 years of experience serving the automotive industry. They have designed 12 new automotive plants in the last 20 years.

Efficiency and Value. Through value engineering, scope modifications, and innovative design and material usage, we find ways to meet needs while driving out cost and compressing the schedule.

An Institution in the Industry. Our storied history of working with automotive manufacturers, whom we count among our most loyal and longstanding clients, dates back to 1948. Case in point? Ford Motor Company, our first client, is still with us today.

Diversity of Services. We're experts in site selection, the planning and design of greenfield plants, and the renovation and maintenance of older facilities—plus, everything in between.

TOP 5 AUTOMOTIVE PLANT

A Top 5 Automotive Plant Design Firm for the past decade (ENR)



173% FEE SAVINGS

SSOE designs have returned 173% of our fee to automotive clients in cost savings



3,900+ AUTOMOTIVE PROJECTS

3,900+ automotive projects executed in the last 25 years





CLIENTS

OEMS

BMW
Caterpillar
FCA US LLC
Daimler
Ford
General Motors
Honda
Hyundai / Kia
Kenworth
Nissan
Paccar
Toyota
Volkswagen

TIER SUPPLIERS

American Axle
Manufacturing
Bridgestone / Firestone
Continental Tire
Cummins
Dana
Detroit Diesel
Durr Systems
Gallagher-Kaiser
Guardian Industries
Magna International
TKS
TRW Automotive
ZF Friedrichshafen AG



PROJECT TYPES

MANUFACTURING

- Body / Weld
- Die casting
- Engine
- Final trim / assembly
- Foundry
- Frame / Chassis
- Heat treatment
- Machining
- Mist collection
- Paint shops
- Plastics injection molding
- Press / Stamping
- Scrap handling
- Subassembly
- Scrap handling
- Transmission

SUPPORT FACILITIES

- Automatic Storage and Retrieval Systems (ASRS)

- Bridges
- Conveyance
- Data centers
- Distribution centers and parts warehouses
- Fire stations
- Logistics centers
- Offices, locker rooms, and cafeterias
- Paint / mix storage
- Pedestrian
- Security buildings
- Utility centers
- Vehicle
- Visitors centers

R&D AND TESTING

- Advanced vehicle design
- Anechoic chambers
- Coordinate measuring machines

- Dynamometers
- Electrical
- Emission soak rooms
- Environmental chambers
- Fuel test
- HVAC
- Instrumentation
- Material
- Metrology
- Model / machine shops
- Noise, Vibration, and Harshness (NVH) rooms
- Radio frequency interference chambers
- Scaled wind tunnels
- Test sleds
- Test tracks
- Test labs
- Vehicle analysis walk throughs



TECHNICAL SPECIALTIES

- Air permitting
- Arc flash studies
- BIM
- Central plant utilities
- Cleanrooms
- Design studios
- Data systems
- Factory automation
- Fire alarm
- Interior and landscape design
- Laser scanning
- LEED® certifications
- On-site owner's representative
- Pipe stress analysis
- Plant and infrastructure design
- Rail spurs
- Security systems
- Sequencing centers
- Site selection and planning
- Stress analysis
- Tank farms
- Wastewater treatment