



GLASS

DECADES OF EXPERIENCE + COLLABORATIVE PROCESS PROVIDES A CLEAR VIEW OF YOUR PROJECT



50+ YEARS OF EXPERIENCE

More than 50 years of experience in custom furnace design

Headquartered in the “glass city” you can imagine that we view glass as special—something you’ll feel when you work with us. SSOE’s glass experience spans decades and more than 10 countries, working with every major glass manufacturer on quite literally every aspect of plant development. From container glass, to specialty glass, fiberglass, float glass, and roofing, our highly skilled technical experts apply their broad knowledge and familiarity across industries to come up with innovative solutions. We specialize in sustainable buildings and processes that reduce your energy consumption and environmental impact.

Our team can take your project from start to finish using an EPCM delivery method, leading to greater efficiency and fewer headaches. You’ll see immediate benefits from the SSOE Experience—early collaboration with all project stakeholders for frequent input, using Virtual Design & Construction (VDC) to provide a real-time view of your project.

TOP FIVE DESIGN FIRM

Top 5 Manufacturing design firm for the past 3 years (*ENR*)



\$25 M SAVINGS

More than \$25 million in documented savings to Glass clients since 2009



1ST LEED GOLD CERTIFIED

Complete process engineering for the only LEED® Gold certified insulation facility in the U.S.





REPRESENTATIVE CLIENTS

Guardian Industries
Hollingsworth & Vose
Johns Manville
Libbey
Lilja Corporation
Owens Corning
Owens-Illinois
Pilkington
Saint-Gobain



PROJECT TYPES

- Batch systems
- Container glass
- Fiberglass systems
- Float glass
- Furnace design
- Furnace / melter systems
- Residential shingles
- Specialty glass



TECHNICAL SPECIALTIES

- Arc flash studies and mitigation
- Automotive glass
- Batch house systems and delivery
- Commissioning and start-up
- Cooling water systems
- Cullet systems
- Cullet water systems
- Curing systems
- Electrical / control systems
- Energy recovery and reduction
- Environmental engineering
- Fabrication / cutting systems
- Forming systems
- Furnace combustion systems
- Furnace control, power, and boost systems
- Furnace design and structural engineering
- Furnace environmental systems
- Machine design
- Material handling and packaging systems
- Mechanical utilities
- Power electrical distribution and grounding
- Process automation, PLC, and HMI programming
- Raw material unload systems
- Substations
- Systems integration, control system upgrades
- Tempering and annealing systems
- Wind cooling systems