

Glacial Lakes Energy, LLC

Ethanol Facility Expansion



Glacial Lakes Energy (GLE), a manufacturer of corn-based ethanol, underwent a capacity increase to more than double their existing capability. SSOE provided full engineering, design, procurement, fabrication, erection, and commissioning support. SSOE coordinated with GLE, the contractor, and the process provider to successfully complete a fast-track, turnkey project which increased GLE's existing ethanol production to 100 million gallons per year.

SSOE utilized staff in its Shanghai, China office to provide 24-hour project support, which reduced the engineering schedule by 30% and helped bring the facility to full production capacity in just 11 months. Also, as a result of the accelerated schedule, the client recognized a sizable profit. GLE saved \$60,000 per day, which equaled to approximately \$1.8 million profit per month.

value promise

Reduced engineering schedule by 30% through coordination with SSOE's Shanghai, China Office. Saving GLE \$60,000 a day.

size 100 million gallons of production

location Watertown, South Dakota

highlights

Design / build

50 million gallons per year expansion

Liquefaction, drying, fermentation, evaporation, and distillation

Increased cooling tower capacity

Increased tank farm capacity

Additional fire protection capacity