

ZF Friedrichshafen AG

Greenfield Transmission Plant



To meet their growing product demand in North America, renowned automotive parts supplier ZF Friedrichshafen (ZF) chose to build a new transmission plant in Greenville, South Carolina. ZF selected an experienced team comprised of SSOE and other contractors to design and construct the 970,000 SF facility.

SSOE provided architectural, mechanical and electrical design, and engineering for the entire facility, which consists of manufacturing spaces, offices, laboratories, a data center, and a cafeteria. The facility, which is ZF's first passenger car transmission plant in North America, produces fuel efficient, eight and nine-speed automatic transmissions.

As part of the original project scope, the facility was classified as an F-1 and S-1 use group (International Building Code). However, with SSOE's vast experience with similar facilities, it was realized the facility should actually be classified as an F-2 and S-2 use group. As a result, several unnecessary fire protection systems were eliminated, saving the client \$575,000. This cost savings, combined with several other design innovations, resulted in a project savings of more than \$4 million.

value promise

Through design modifications, experience, and innovation, SSOE has saved the client nearly \$5 million.

size 970,000 SF

location Greenville, South Carolina

highlights

Design / build

Greenfield facility