



CLIENT

STELLANTIS, SAMSUNG SDI | JV

PROJECT LOCATION

KOKOMO IN

PROJECT SIZE

3,300,000 SF

PROJECT DURATION

36 MONTHS

PROJECT VALUE

>\$3.2B INVESTMENT

>\$110M (FIRE PROTECTION ONLY)



SHAMBAUGH.COM

New Lithium-Ion Battery Plant



CLIENT OBJECTIVES

In an effort to help transition to an era of electric vehicles, Stellantis | Samsung SDI chose to build a new Electric Vehicle Battery Plant in Kokomo. The new facility will supply battery modules for a range of vehicles produced at Stellantis' North American assembly plants. Plant construction activities began in 2023 with production operations planned to launch in 2025.

VALUE DELIVERED

Shambaugh Fire Protection was chosen by the owner team to be one of the three partners to complete the design of the project and provide value engineering. We worked with the architect and design team specifically on our scope as well as how our scope was related to others. Our value included designing and sizing all fire protection underground along with valve locations and hydrants. We sized the fire pumps, water storage tank and recommended design densities based upon NFPA and FM while working with the owner's corporate Fire Protection Engineer and insurance consultant. We met the owner's expectations with cost, schedule and quality of workmanship.

SCOPE OF SERVICES

Shambaugh was awarded the fire protection contract for design and construction of the New EV Battery plant. Manpower peaked at a labor force of 60. Shambaugh Fire Protection scope of work includes:

- Fire protection service to 19 buildings on the campus.
- Provided and installed 30,388 sprinkler heads.
- Provided and installed two 2,500 gpm diesel fire pumps located in Building 17—Fire Pump House.
- Provided and installed one 360,000-gallon usable water welded fire water tank.
- Awarded process in-rack warranty.

ShambaughFamily**Of**Excellence