



CLIENT

TOYOTA

PROJECT LOCATION

LIBERTY NC

PROJECT DURATION

12 MONTHS

PROJECT SIZE

TOTAL PROJECT >7M SF
BLDG 802 486,000 SF

PROJECT VALUE

\$14B TOTAL PROJECT
>\$35.5M SHAMBAUGH FIRE



SHAMBAUGH.COM

New EV Battery Manufacturing Plant



CLIENT OBJECTIVES

To support public demand toward automotive electrification, Toyota is constructing multiple buildings creating batteries for battery electric vehicles (BEVs), plug-in hybrid electric vehicles (PHEVs), and hybrid electric vehicles (HEVs), for an initial total of 14-battery production lines inside their new Toyota Battery Manufacturing North Carolina (TBMNC) plant.

VALUE DELIVERED

The Design-Builder utilized BIM technology to facilitate a coordinated design effort. With our more than 275-NICET project designers nationwide, Shambaugh's history of early involvement in the preconstruction phase of a project allowed us to contribute, bringing to the team our in-house engineering expertise on constructability and best value.

SCOPE OF SERVICES

Shambaugh's Fire Protection Group was awarded multiple contracts for the TBMNC including Fire Security Building 601, Building 802, 803 (Building and Line 2 Process), Buildings 804 and 805 (Lead-Ins), and Building 830. Included in the scope of work:

- ESFR Sprinkler Systems
- Foam Suppression Systems
- Wet Sprinkler Systems
- Double Interlock Preaction Systems for IT Server Rooms
 - Fire Alarm Detection and Releasing Panel installation included
- Kitchen Hood Suppression
- EV Battery Storage
- BIM Modeling Design

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