



UTMB LEAGUE CITY HOSPITAL

LEAGUE CITY, TX

**Owner**

UTMB Health

Contract Type

Electrical Construction

Contract Amount

\$10,430,000

General Contractor

Hensel Phelps Construction

Electrical Contractor

FSG Electric

Engineering Firm

Shah Smith

Architect

FKP

Completion Date

February 2020

ELECTRICAL CONSTRUCTION CASE STUDY

Electrical construction project helps UTMB solve rapid growth challenges

Challenge

In 2018, the University of Texas Medical Branch received approval from the Board of Regents to expand the League City Campus in response to rapid growth and increased demand for services.

The challenging aspect of this project was tied into the electrical system of an existing/operating hospital. To make matters more difficult, the design did not match the existing system. We were required to rebuild a section of switchgear to increase the ampacity needed to serve the new section. This required massive coordination and additional back up generators to make sure no power is lost during the 12-hour shutdown.

Solution

FSG worked around the challenging needs of the UTMB environment and completed the expansion. The new wing includes support staff space on Level 1, kitchen and dining facility on Level 2, 30 ICU beds each on Levels 3 & 4, and mechanical space on Level 5. In addition to the new wing, our scope included renovations to the existing hospital: 3 new Endoscopy Rooms, Operating Room renovations, relocation of X-Ray and CT Labs, and converting 17 LDRP Rooms to ICU Rooms. In addition to these renovations, we added a new ground-level Helipad.

