



## Charlotte Douglas International Airport Central Energy Plant

CHARLOTTE, NC

Steel frame and masonry clad building with nearly a mile of chilled water, hot water, and duct bank utility routing.

In 2019 Charlotte City Council approved a \$585M project to renovate the terminal lobby at Charlotte Douglas International Airport (CLT) in North Carolina. Known as the Terminal Lobby Expansion, the project is a part of the Destination CLT program which will entail an overall investment of \$2.5B to \$3.1B. This is one of the largest ongoing aviation construction projects in the southeast. A significant part of this development program is the new construction of the Central Energy Plant (CEP). This building will offer mechanical space for the terminal lobby expansion project. It will supply chilled and hot water for the air conditioning of the terminal lobby via an underground utility corridor. The CEP is being built on an existing parking area with a 39,862 square-foot footprint. The CEP will have two levels. The first level contains emergency and normal power rooms, a chiller room, a boiler room, and a water treatment room. The second level is a mezzanine with an equipment platform. The roof contains cooling towers with space for future cooling towers. There is a 275Kw generator outside of the CEP to the south. Rosendin is responsible for lighting, power (including medium voltage switchgear), grounding, and lightning protection.

CLIENT	City of Charlotte
GC	Holder-Edison Foard-Leeper, A Joint Venture
DURATION	15 Months
BUDGET	\$8 Million
SIZE	39,862 SF

### OFFICES

Charlotte, NC

### SECTORS

Transportation

### SERVICES

Building Information Modeling

### VALUE ADD

Prefabrication