

**Project:** Turnkey EPC  
**Industry:** Industrial  
**Location:** Houston, TX  
**Budget:** \$5.5 Million  
**Project Duration:** Started: August 2023  
Ended: November 2024



Substation, Houston, TX

## Objective:

Saber developed a 138 kV substation in support of a project in Houston, TX, providing reliable power to enable timely plant commissioning. The project featured a 138 kV ring bus configuration designed to enhance system reliability and operational flexibility. The client engaged Saber Power to deliver a reliable, utility-compliant substation solution within a compressed schedule to support plant commissioning. Key objectives included maintaining schedule certainty, ensuring system reliability, and meeting interconnection requirements while controlling project costs.



Serving as the EPC contractor, Saber led all engineering, procurement, construction, testing, and commissioning activities while committing to meet interconnection and utility requirements on an accelerated schedule. Saber engineered, procured, constructed, and commissioned a new 138 kV substation to serve the industrial facility. The project included complete substation design, civil and structural engineering, protection and control systems, relay settings, and testing and commissioning services.

Construction scope included installation of steel pipe piles for dead-end H-frame structures, concrete piles supporting all substation pad foundations and structural supports, structural steel erection, major equipment installation, and power and control cable systems. Saber Power also procured all major equipment, including two power transformers, breakers, structural steel, relay panels, and control building.

The 138 kV substation was successfully delivered on time, providing up to 125 MVA of installed transformer capacity through a highly reliable ring bus configuration. Saber's turnkey EPC approach enabled seamless energization and long-term operational reliability for the facility.

**View More  
Success Stories  
on our website!**

**For More Information, visit  
SaberPower.com**

