

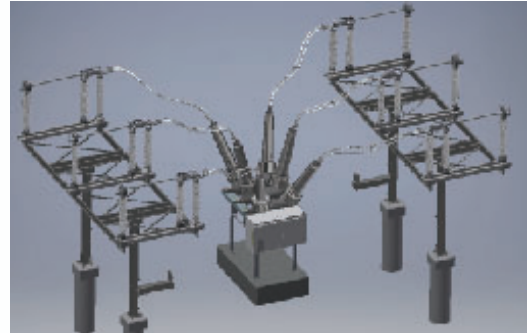
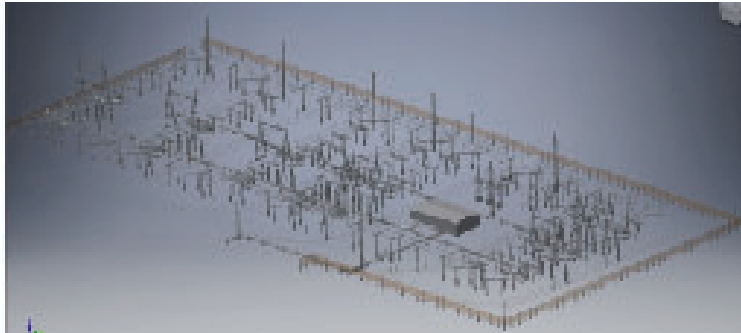
**Project:** Turnkey EPC  
**Industry:** Utility  
**Location:** Georgetown, TX  
**Budget:** \$20 Million  
**Project Duration:** Started: October 2019  
**Ended:** February 2022



Substation, Georgetown, TX

### Objective:

A client in Georgetown, TX hired Saber to provide all engineering, procurement, construction, testing and commissioning services to construct a 138kV breaker-and-a-half substation and relocation of existing transmission lines to increase transmission service reliability.



Saber performed the engineering services to modify the existing bus-breaker configuration from a single-bus, single-breaker configuration, to a break-and-a-half configuration. Saber provided the procurement, construction, pre-commissioning, commissioning and start-up for the for a 138 kV breaker-and-a-half substation. New vertical dead-end double circuit poles were set mid-span of the pre-existing 138 kV line, as well as the double circuit poles strung into new bay dead-end structures. Existing ruling spans, sag and tensions were maintained using Lidar verification, along with plumbness of insulators on existing tangent structures. 12-sided tubular structures were utilized, as well as evaluation of existing H- frame double circuit tangent structures.



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