

Kellystown

Suir Engineering was responsible for the full delivery of the EPC 220kV Substation and Grid Cable project in partnership with Siemens Energy. The project involved the installation of an 18-bay 220kV Siemens 8DN9 GIS switchgear, two 220kV grid cable circuits with an overhead line (OHL) break, and three 220kV customer feeder circuits, along with all associated control and protection systems and earthing works.

Scope of work

- Substation Civil Works: All civil design, supply and construction works, including development of the site and its facilities, buildings to house the 220 kV substation, and the ancillary facilities required for the Works.
- Substation Electrical Plant: All electrical design, supply (with the exception of free issue materials), installation, testing/precommissioning and commissioning works, for high voltage equipment including switchgear, earthing system and interconnecting cables and their accessories required for the Works.
- Civil Design and Construction of 8KM of 220kV Grid Cable including 6no HDD
- Liaise with Kildare Co.Co, ABP, Irish Water, Irish Fisheries, etc.
- Electrical Design, Procure, Install, Joint and Test 220kV Cable.
- 220 kV Cable: All design, supply, installation and commissioning of the ducting and 220 kV cables.
- Electrical secondary and ancillary systems: All electrical design, supply (with the exception of free issue materials), installation, testing/precommissioning and commissioning of the complete control and protection system for the Works, medium and low voltage power systems, telecommunications and miscellaneous subsystems.
- Testing and Commissioning: Testing and commissioning of the completed Works

Client: **ESB & Siemens**

Start date: **November 2019**

End date: **July 2022**

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