

SOUTH AMERICA

TRINIDAD & TOBAGO

EHV Power installed the longest and largest 132kV underground cable circuit coming into Port of Spain in Trinidad. This installation allowed the commencement of the decommissioning of the oldest generating plant in the city of Port of Spain.

Utilizing a local civil contractor, EHV designed and constructed all the required cable vaults for the cable splicing works. For the cable installation works, EHV completed a difficult underground power cable pull into the newly constructed 132kV/33kV substation utilizing the bond pulling technique.

The project included the installation and commissioning of a Distributed Temperature Sensing (DTS) system which allows the monitoring of the cable temperature. EHV donated a Partial Discharge (PD) Monitoring offline system.

As part of the field acceptance testing, a cable jacket integrity did not pass on one of the phases. Applying EHV's cable jacket fault locator device, the jacket damage was located at the underground to overhead transition junction. The cable jacket was successfully repaired and the 132kV underground cable circuits were turnover to the Trinidad & Tobago Electricity Commission.

