DEGNAN

CORINDA FEEDER STATION UPGRADE

Degnan partnered with Queensland Rail to deliver the Corinda Feeder Station upgrade, replacing end-of-life infrastructure to improve network reliability, maintainability and system resilience.









SECTOR
Energy

LOCATION
Brisbane, QLD
Yuggera & Turrbal Country

CLIENT
Queensland Rail

PROJECT COMPLETION
May 2025

PROJECT VALUE
$6M approx.

DELIVERY MODEL
Construct

The project involved integrating new 25 kV infrastructure within an operational feeder station, including a prefabricated switchroom, isolation transformer, HV cabling, earth grid upgrades and associated civil and structural works.

With the substation required to remain operational for most of the works, delivery relied on careful staging, planned outages and close coordination of interfaces with existing live infrastructure

KEY OUTCOMES

- New 25 kV infrastructure successfully integrated within the operational feeder station.
- New assets installed and tested ahead of planned cutovers to make efficient use of available isolation periods.
- End-of-life infrastructure replaced to support improved reliability, maintenance and system resilience.
- Critical existing infrastructure remained protected and operational throughout the broader construction program.

CHALLENGES OVERCOME

- **Working within an operational substation.** Most works were delivered while the feeder station remained operational. A staged delivery approach allowed new infrastructure to be constructed and tested separately before planned cutovers.
- **Managing outages and cutovers.** A systematic approach to staging and clear separation of live and isolated assets supported safe delivery while working within limited outage periods.
- **Protecting live infrastructure** A live Energex 110 kV cable running through the site required careful planning during civil works. Vibration monitoring and exclusion zones for heavy machinery were implemented to protect the existing asset.