



UniSQ Substation Upgrade

Client: University of Southern QLD (UniSQ)

Completion: November 2023

Duration: 6 weeks

Our team was engaged to deliver critical electrical infrastructure upgrades at the University of Southern Queensland (UniSQ) Toowoomba campus. The project scope included:

- Replacement of the existing 315kVA private transformer
- Main Switchboard (SMSB) replacement
- Full High Voltage (HV) scope management, including civil works and LV infrastructure



The project presented unique challenges due to the ageing HV network, which had been deemed non-compliant and was scheduled for shutdown by the ESO if not addressed.

To ensure campus operations were unaffected, we:

- Installed and managed a temporary generator solution to maintain continuous power supply to all facilities
- Undertook a detailed design study of the embedded HV network to ensure compliance with current standards
- Coordinated and managed all HV, civil, and LV works in a staged and controlled manner

The UniSQ campus remained fully operational throughout the works, with no disruptions to staff or students.

The project successfully delivered a compliant HV and LV upgrade, ensuring long-term network reliability, safety, and compliance.

