

# PLP Project Profile



Substation Busbar Fittings | Transmission Line Hardware

## Tamworth 330kV Substation, NSW, Australia

### Project Overview

The Tamworth 330kV Substation is part of TransGrid's Queensland-New South Wales Interconnector (QNI) upgrade project required to provide safe, reliable and cost-effective electricity to Qld and NSW customers.

The Interconnector will enable the sharing and increase the transfer capacity of electricity between the two states to ensure reliable energy supply, especially during times of peak demand.

The project involves upgrading 300km of existing transmission lines and replacing 58 towers between Liddell power station and Tamworth substation.

Installing new technology and upgrading equipment within Tamworth substation will provide greater voltage stability and regulation. The project will provide lower-cost electricity and support the development of new renewable energy zones (REZs).

### PLP Solution

PLP provided an engineering solution that required minimum on-site welding of the busbars and a custom expansion support design.

PLP prefabricated 27 busbars with span lengths from 12 to 24 meters. The busbars and associated fittings were delivered to Tamworth overnight on an oversized extendable trailer with a pilot vehicle.



### PLP Products

PLP supplied the busbars, substation fittings and overhead transmission line hardware for the 330kV substation and incoming lines.

PLP's local manufacturing capability ensured on-time delivery during the pandemic.

### PLP supplied the follow products:

- › Prefabricated Busbar System
- › Substation Fittings
- › Transmission Line Hardware

### Project Name

330KV Tamworth Substation

### Utility Owner

TransGrid

### Customer

Consolidated Power Projects

