

# PLP Project Profile



Substation | AEM Switchgear | Transmission Line Hardware

## Alinta Fortescue Solar Gas Hybrid Project – Pilbara Region WA

### Project Overview

The innovative Alinta Fortescue solar and gas hybrid project will supply low emission renewable energy for large, off-grid customers in the Pilbara region of Western Australia.

The project will provide significant cost savings from the traditional diesel and gas energy generation.

The project consists of a 60MW solar photovoltaic generation facility that is linked via a 60 kilometre transmission line to the Fortescue Metals Christmas Creek and Cloud Break iron ore mining operations, and Alinta Energy's gas-fired power station and 35MW battery storage facility at Newman.

### The PLP Solution

PLP provided a Prefabricated Busbar Solution that was easy to install as no on-site welding was required at the remote location.

The goods arrived safely after travelling 3800km from Sydney on a designated truck.

PLP overcame the supply issues due to COVID-19 with Stand-off Insulators, which did not affect the project completion time.

### PLP Benefits

- › The Prefabricated Busbar Solution was easy to install at the remote site providing cost and time saving benefits.
- › Work, health and safety issues were significantly reduced at the remote location.
- › Local Manufacturing and Engineering Support.
- › NATA accredited in-house testing facility at PLP Glendenning, NSW.



### Project Name

Alinta Energy 60MW  
Chichester Solar Farm.

### Site Location

The solar farm is located in the Pilbara region, Newman, WA.



### PLP Products Supplied

Substation Busbar and Fittings, Stand-off Insulators and Transmission Line Hardware for Downer Utilities and Disconnectors for Siemens.

### Project Completed

July 2020.