



TRUNDLE & PEAK HILL SOLAR FARMS

The Trundle and Peak Hill Solar Farms are two 6.4MW DC projects located within 50km of Parkes, Central NSW.

PROJECT OVERVIEW

The Trundle and Peak Hill Solar Farms are two 6.4MW DC projects located within 50km of Parkes, Central NSW.

The projects were developed and managed by Enerparc Australia Pty Ltd, a division of Enerparc AG, headquartered in Hamburg, Germany.

Enerparc is a global expert in developing, engineering, constructing and operating large scale PV Systems. The Trundle and Peak Hill projects were their first projects constructed in the Australian market, so it was important for Enerparc to use a reliable contractor to manage and deliver the main scopes of these projects.

Energy from these projects will be sold into the NEM Grid, producing enough electricity to power approximately 8,800 homes with renewable energy.

Tranex Solar Pty Ltd remains the most trusted solar contractor in Australia, known for completing every project we have started.

PROJECT STATISTICS

LOCATION
Trundle Solar Farm (Approx 50km North-West of Parkes, NSW) and Peak Hill Solar Farm, (Approx 50km North of Parkes, NSW)

SIZE
6.4MW DC Each – 12.8MW DC Total

TRACKING SYSTEM
ARRAY TECHNOLOGIES

MODULES
GCL

NUMBER OF PILES
2,538 Trundle / 2,450 Peak Hill

NUMBER OF TRACKERS
225 Trundle / 208 Peak Hill

NUMBER OF MODULES
17,920 Trundle / 17,472 Peak Hill



PROJECT CHALLENGES

These projects were the first projects Enerparc had constructed in Australia using effectively an 'Unbundled' Contracting Model, which involved Tranex Solar Pty Ltd taking the role as principal contractor, managing and coordinating construction of the project, but with the client contracting directly with other key suppliers and scope providers.

The unbundled structure presented several different challenges around the following scopes:

- Project Design
- Free-Issued Material Handling and Management
- Ground Conditions
- Contractor Interfacing
- Commissioning
- Principle Contractor Support



OUR SOLUTIONS

Tranex Solar Pty Ltd. entered very significant planning sessions with Enerparc and their consulting company approx two months before the construction phase of the project started. This included a number of workshops between relevant suppliers and contractors to ensure that any potential interface was mapped and planned in intricate detail.

We then worked extensively with key suppliers such as Array Technologies in the design phase – it was identified at this point that due to the corrosive ground conditions that longer piles would be required to counter these conditions.

Our construction team was able to quickly pivot, offering a pile supply solution with double the galvanising thickness than standard piles, therefore negating the need for longer piles and saving our client significant costs in steel and shipping.

Under our Principal Contractor role, daily reporting and contractor meetings were implemented ensuring smooth interface of works between all Contractors and that relevant Stakeholders remained continually informed on project progress.

There was a delay with commissioning, due to a delay in Connection Agreements between the developer and network provider.

As a result, our construction team implemented a strategy in conjunction with Enerparc to minimise site cost overruns by reducing site resources without compromising quality and safety, to ensure that the projects were delivered in line with the original budget.

OUR PARTNERS



DEVELOPER: Enerparc Australia Pty Ltd



EPC/PRINCIPAL CONTRACTOR: Tranex Solar Pty Ltd