

Wandoan South Solar Stage 1

Issue No.2 | September 2022



Site establishment - Construction facilities and Substation pad (2022).

Our support

Vena Energy Australia believes that our long-term success is the result of our relationships, engagement and collaboration with our host communities. We are committed to keeping our engagement with the Western Downs community a top priority for the Project.

In the 4 years that we have been a part of the community we have supported a number of local initiatives.



Wandoan Show with the Show Society, Cricket Day for the Guluguba State School P&C, and LifeFlight.



Juandah Rodeo Association for the Wandoan Rodeo.



Wandoan State School for the Excellence Awards



Wandoan Community Commerce & Industry Inc. for the Octoberfest.

The Details | 125MW

The Project will be capable of generating 365GWh per year or enough energy to keep the lights on in more than 60,000 households annually!

The Project has a construction footprint of approximately 267ha. To provide a bit of context in terms of scale, the Project will be approximately 9 times the size of the Wandoan Showgrounds!

Project Overview

Key Construction Milestones

The major milestones for the WSS 1 construction program are:

- Procurement of Equipment: Order of mounting structures, panels, cabling, inverters, control room, switchgear, and associated infrastructure.
- Site Establishment: Installation of construction site access and temporary construction facilities. Mobilisation of construction contractors and equipment to site.
- Earthworks: Excavation and/or filling of soil and rock to prepare the site for installation of infrastructure.
- Civil, Mechanical & Electrical Works: Ongoing installation of modules, posts and racks, inverter stations, substation, weather masts, control room & maintenance building, substation, cabling and other related infrastructure.
- Mechanical & Electrical Completion: Completion of mechanical and electrical infrastructure, constructed and installed in accordance with relevant design and engineering parameters and standards.
- Testing & Commissioning: Testing of installed electrical infrastructure in accordance with relevant performance and compliance standards.
- Commercial Operations: Export of electricity into the grid at full capacity.

Time Frame

Construction of the project started in April 2022 and is estimated to achieve commercial operations in Q2 2023.



Construction facilities & Laydown area (2022).

Technology & Components

- Approximately 256,320 bifacial solar panels will be used, allowing for absorption of irradiance from the front and back of the panel.
- The panels will be mounted on single axis tracking racks and will move east to west, following the movement of the sun.
- 275kV Juandah Substation will be connected to Powerlink's Wandoan South Substation via an underground cable.

Gransolar Construction Australia

Gransolar Group

The project will be delivered by Gransolar Group through its different subsidiaries and external contractors, and is responsible for design, procurement, construction, commissioning, operations, and maintenance.

Vena Energy has relied on Gransolar's experience and know-how both within their construction division in Australia and from within their solar tracker and detailed engineering design division for the Project.

The Group has more than 16 years experience in the solar energy sector and has developed more than 180 projects in 28 countries on five continents.

Employment Opportunities

GRS welcomes and prioritises local and Indigenous procurement and employment. GRS has collaborated with local suppliers such as Speciality Services Queensland on this project.

If you are interested in collaborating with the project, use the communication channels outlined below in the sub-contractor packages or get in touch via the ICN Gateway.



wandoancommunity@gransolar.com



ICN Gateway - tinyurl.com/bdf48t8b



Ricardo Brotto, GRS Project Manager
0459 667 984

Civil Package



Western Downs Civil (WDC)

<https://wdcivil.com.au/>

hr@wdcivil.com.au

07 4668 9685

93 Chinchilla Street. Chinchilla, Queensland 4413



Mechanical Package



HCBSolar

<https://hcb-solar.com.au/>

support@hcbsolar.com.au

02 4953 7732

107 Mitchell Road, Cardiff NSW 2285



Tranex

<https://www.tranexsolar.com.au/>

careers@tranexsolar.com.au

1300 872 699

Level 6, 10 Herb Elliott Ave. Sydney Olympic Park, NSW, 2127



Electrical Package



To be confirmed.

Contact Ricardo Brotto, GRS Project Manager
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