PROJECTS

Aldoga Solar Farm 275kV Substation



Client
ACCIONA Energía

Sector
Renewable Energy Infrastructure

Location
Gladstone

Delivering certainty through complexity

SERVICES

- ECI
- Design
- Procurement
- Construction & Commissioning

THE CHALLENGE

The Aldoga Solar Farm is one of Queensland's largest renewable energy projects and forms an important part of the State's transition to a lower-carbon future.

To connect the 380MW solar farm into Powerlink's transmission network, ACCIONA Energía required a delivery partner capable of managing complex interfaces, tight schedules and demanding commissioning requirements.

THE GENUS APPROACH

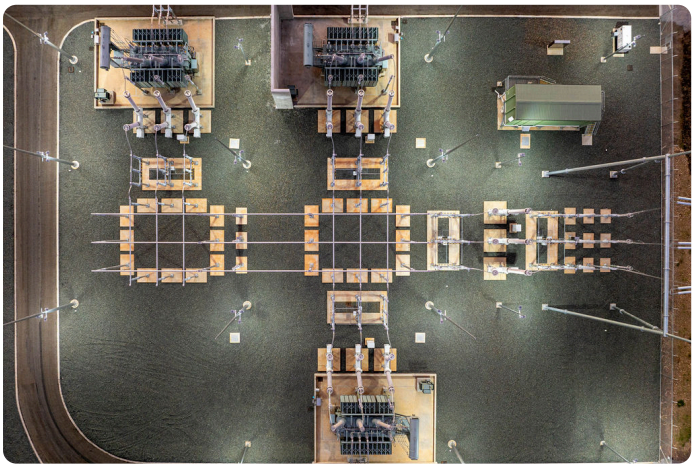
As Genus' first east coast renewables project, the team invested heavily in the Early Contractor Involvement phase to optimise design, sequencing and constructability.

Working closely with ACCIONA Energía, Genus established a collaborative and transparent delivery model built around open communication and shared objectives.

This approach enabled the team to simplify complexity, respond quickly to emerging issues and maintain momentum throughout

The project involved close coordination across multiple stakeholders while maintaining critical energisation milestones, leaving little room for delay.

delivery.







DELIVERY IN ACTION

Genus was responsible for the design, procurement, construction and commissioning of the 33/275kV substation connecting the Aldoga Solar Farm to Powerlink's network.

The scope included:

- **Design and engineering**
- **Procurement of major equipment**
- **Civil and electrical construction**
- **Testing and commissioning**
- **Grid connection and energisation activities**

Throughout delivery, the project encountered weather delays, equipment supply challenges and additional scope requirements. By identifying issues early and working collaboratively with the client, Genus was able to adapt and protect critical milestones.

THE OUTCOME

The successful energisation of the Aldoga Substation enabled one of Queensland's largest solar projects to connect to the grid and demonstrated Genus' growing capability in renewable infrastructure on the east coast.

For ACCIONA Energía and Genus, the project highlighted the value of collaboration and the importance of maintaining flexibility when delivering complex infrastructure.

Aldoga established the foundation for Genus' expanding renewables business across eastern Australia.

Genus maintained a proactive and solutions-oriented approach throughout delivery. They worked effectively with our team, adapting to challenges while aligning with established processes and expectations.

JAHANZEB RAHMAN
GENERAL MANAGER CONSTRUCTION, ACCIONA ENERGÍA

We invested in the ECI process to shape the project and program. We explored design and program optimisation which resulted in a solid plan for delivering the project in a very short duration, even while dealing with weather issues and other delays.

DAMON OLUFSON
GM PROJECTS, GENUS

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