

Aldoga Solar Farm

- Location: Aldoga, near Gladstone, Queensland
- Expected Capacity: 600 MWp
- Project Value: A\$0.5Billion
- Anticipated construction commencement: 2023
- Anticipated construction duration: 18 months
- Expected Operating Life: 30+ years

The A\$0.5B project will generate significant economic activity in the Gladstone Shire and surrounds.



LEADERS IN RENEWABLE ENERGY

With over 30 years of experience in the field of renewable energy, ACCIONA Energía provides reliable and efficient solutions leveraging cutting-edge technologies. In Australia, ACCIONA Energía develops, constructs, owns and operates wind farms and locally we have delivered four wind farms and a 20 MW solar farm. Through the projects the company owns, ACCIONA Energía currently generates enough clean energy to power 280,000 households. Construction of ACCIONA Energía's fifth wind farm is almost complete and building of our sixth wind farm will commence in 2022, which will be our biggest project yet, a 1,026 MW wind farm in Queensland.

The company works exclusively with renewable technologies, specifically across wind, solar PV, solar thermal, hydro and biomass. ACCIONA Energía has 11 GW capacity in operation and under construction globally and has nearly installed 2,000MW for third parties.

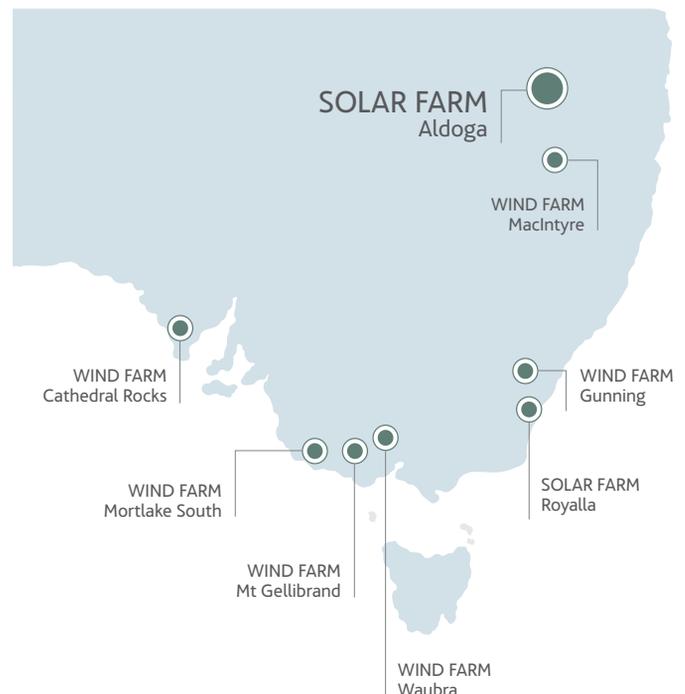
ENERGY



PROJECT OVERVIEW

The Aldoga site will be Economic Development Queensland's (EDQ) flagship renewable energy project and is part of the Queensland Government's advancing our cities and regions strategy, which aims to renew and repurpose underutilised state land to generate jobs and drive economic growth. The substantial scale of this project will also contribute significantly to the Queensland Government's target of achieving 50 per cent renewable energy by 2030. ACCIONA Energía has signed an option for agreement to lease the land from Economic Development Queensland for the purposes of constructing and operating the Aldoga Solar Farm for a period of 30 years.

Future development of the site would include solar PV modules, module mounting/tracking systems, inverters, step-up transformer and on-site substation, access tracks, construction compound (temporary), underground cabling and permanent monitoring equipment (e.g. met stations). The project will be connected to the National Electricity Market (NEM) via connection into the Powerlink Larcom Creek Station.



Presence in more than 60 countries

Over 100 years of experience



EXPERTS IN DESIGNING A BETTER PLANET

COMMUNITY BENEFITS

- Provide a substantial additional economic focus in the Gladstone region
- Generate a construction peak workforce of up to 350 jobs
- Provide up to 10 ongoing full-time positions on site once operational
- Result in the establishment of a Community Benefits Sharing Plan to strategically deliver added value to the local region over the lifecycle of the project
- Provide a sustainable and renewable source of energy for the region, with clean energy equivalent to the consumption of around 222,000 homes annually

SOLAR FARM CONSTRUCTION

- **Site Preparation and Construction of Access Tracks:** Each solar farm site starts with building access tracks for the transportation of equipment and the connection routes between the module mounting/tracking systems. During this time, storm water drainage would also be installed. Following construction, the access tracks are used for ongoing maintenance activities.
- **Installation of the Solar Panels:** The solar PV modules are each fixed to a metal mounting structure. The mounting structure can be piled or screwed into the ground. The mounting structures will slowly and virtually silently track (in a single axis) the horizontal movement of the sun. These structures would be up to 4.0m in height with solar panels attached.
- **Connecting the Solar PV Modules:** The electricity produced by the solar PV modules is transported through both above ground and underground electrical cabling. Some cabling is fixed to the mounting structure, which connects each solar PV module to the next one. Underground cabling then connects rows of module mounting/tracking systems, bringing the electricity to a 'power conversion unit'. These units (located within steel containers) convert the electricity generated by the solar PV modules, into electricity suitable for connection into the national electricity grid. Approximately 100 power conversion units will be utilised across the site. Underground cabling will also connect these units together to a central point (the on-site substation) at which the power generated by the solar farm will be stepped up to a higher voltage (275kV) and then fed into the NEM.
- **Commissioning and Operation:** Once all the solar PV modules are fully operational and capable of producing power into the electricity grid, the construction phase is deemed complete and the project will be commissioned. The operational life of the solar farm is approximately 25 to 30 years.
- **Decommissioning:** The typical project life of a solar farm is 25 to 30 years and includes the requirement to decommission and rehabilitate the site, with the aim of returning the site to its pre-existing condition. Most infrastructure (above and below ground) is removed, allowing agricultural land use activities or other land uses in the area, to resume if appropriate.

CONTACT US

For more information, please contact us via our free call community information hotline 1800 283 550; or by email: aldoga.au@acciona.com
You can also visit our website at: www.acciona.com.au/aldoga

FLAGSHIP PROJECTS



Royalla Solar Farm



Mt Gellibrand Wind Farm



Cathedral Rocks Wind Farm



Waubra Wind Farm



Gunning Wind Farm