

Case Study

ALDI Rooftop Project



PROJECT OVERVIEW

Location: New South Wales and Queensland
Completed: January 2019
Owner: Photon Energy
Designer and Developer: Photon Energy
System Size: 4.6MW
Number of Panels: 12,896 pieces
Product: STP 370S-24/Vfb

BENEFITS

An analysis of reliability data indicates that this series of rooftop solution is expected to annually generate over 6.3GWh of electricity, which can satisfy most of the electricity consumption of each ALDI store by day, and meanwhile reduce CO2 emissions by approximately 6,287 tons per year.

Suntech Supplied 4.6MW Modules for ALDI's 31 Stores in Australia

Suntech supplied 4.6MWp modules to ALDI Australia, an internationally famous supermarket chain, has been formally connected to the grid. 30 stores and a distribution centre of the supermarket chain ALDI in New South Wales and Queensland, have been equipped with Suntech's modules, now in service after installation and grid connection.

During this photovoltaic rooftop project, which covers 30 stores and a distribution centre, with cumulative installations of 4.6MW, 12,896 pieces of Suntech high-efficiency polycrystalline modules in total have been mounted on the roofs of these facilities. An analysis of reliability data indicates that this series of rooftop solution is expected to annually generate over 6.3GWh of electricity, which can satisfy most of the electricity consumption of each ALDI store by day, and

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meanwhile reduce CO2 emissions by approximately 6,287 tons per year. A win-win situation, where supermarkets and retail stores use clean energy, from which both photovoltaic and retail industries can benefit, has taken shape, so that a new business format embracing environmental protection and cost reduction is realized.

Suntech, who has completed the initial design, mid-stage installation and later O&M for the project with the full cooperation with Photon Energy Group, an Australian enterprise and the EPC of this photovoltaic rooftop project, will continue to provide all-round services covering monitoring, operation and maintenance to make sure the system running in a highly reliable state. Hence, ALDI supermarkets can be continuously powered by clean electricity.

Apart from the experience of Suntech cooperating with ALDI at its headquarters in Germany during an earlier project in 2006 and 2007, the rooftop project is currently running well at each ALDI store. The success that this Australian project connected to the grid is not only a heritage, but also an exploration of the development path of clean energy in the future. Suntech will continue to explore further possibilities for photovoltaic applications amid the supply of better photovoltaic products in quality to global customers in the future, so as to have the goal of "affordable electricity" generated by photovoltaic power come true as quickly as possible.

About ALDI Australia:

ALDI, the largest transnational retailer engaged mainly in food products in Germany, is internationally recognized. Since its inception in 1913, it has grown into a retail brand with over 10,000 stores in over 10 countries, highly commended and well received in international markets. ALDI Australia opened its first store in 2001, and has expanded its store network to over 500 stores countrywide. For more information please visit www.ALDI.com.au.

About Photon Energy

Photon Energy N.V. is a global solar power solutions and services company covering the entire lifecycle of solar power systems. Since its foundation in 2008 Photon Energy has built and commissioned more than 60 MWp of solar power plants across two continents and supplied the technology for many more projects. Photon Energy's O&M division provides operations and maintenance services for over 230 MWp worldwide. Photon Energy is headquartered in Amsterdam and has offices in Europe and Australia. For more information please visit www.photonenergy.com and www.photonenergy.com.au.