



KAUST, Kingdom of Saudi Arabia

The King Abdullah University of Science and Technology (KAUST), a world class international graduate research university, is home to Saudi Arabia's first large-scale solar power plant project. Sustainable development has been integrated into the design of KAUST and the campus has been awarded the prestigious LEED Platinum certification from the U.S. Green Building Council (USGBC) making it the largest platinum certified development worldwide.

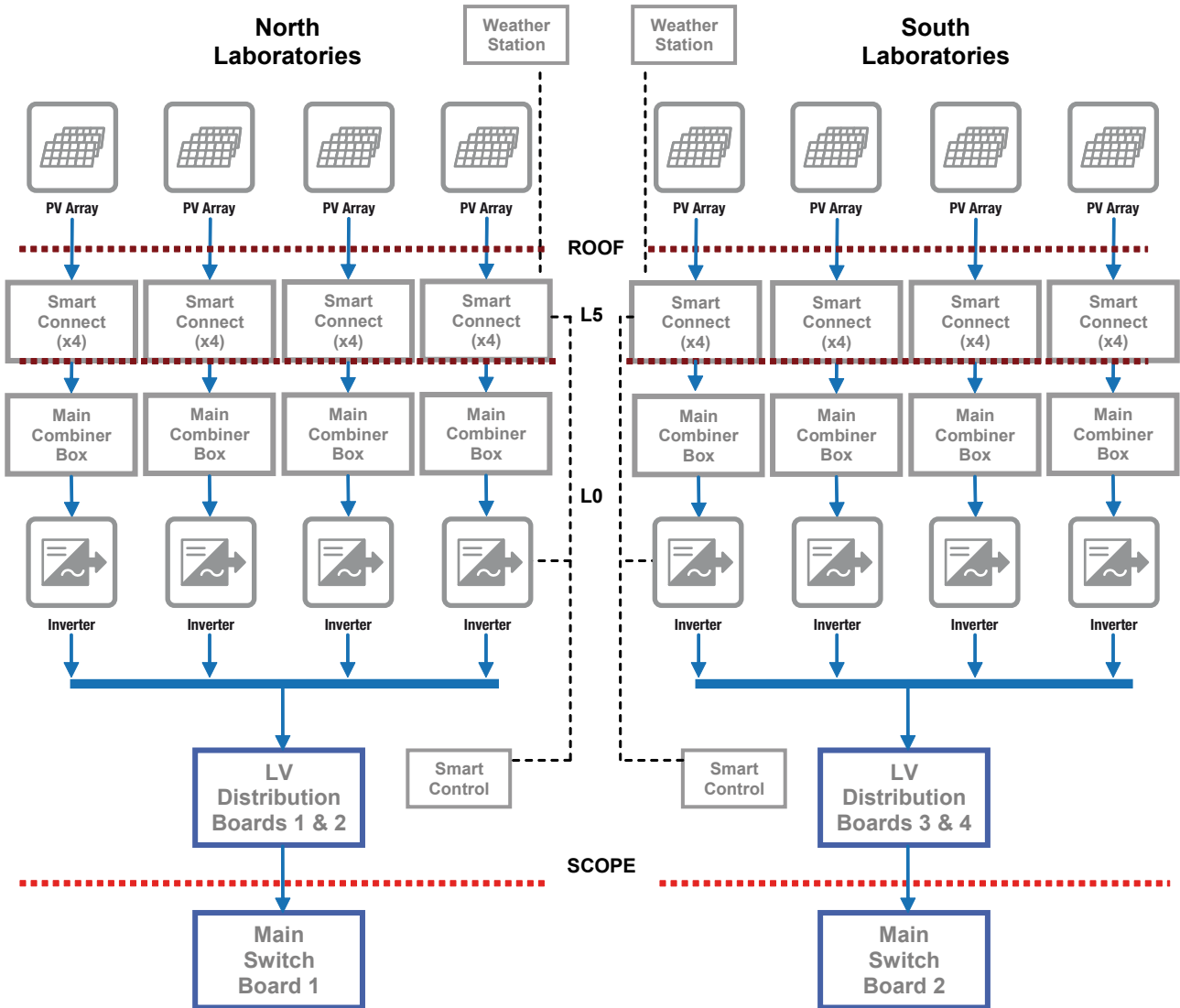
KAUST boasts of several sustainable features including a 2-megawatt photovoltaic installation that consists of two rooftop solar plants with a capacity of 1-megawatt each, installed on the North and South Laboratories of the University. The photovoltaic plant occupies 11,577 square meters of roof space and produces 3,332 megawatt hours of clean energy annually, while also saving up to 1,666 tons of yearly carbon emissions. This equates to carbon offsets for approximately 11,758 million kilometers of air travel.

Conergy Renewable Energy Singapore (a regional subsidiary of Hamburg-based Conergy AG) was awarded the contract for the 2-megawatt solar power plant under a consortium agreement with Saudi-based National Solar Systems. Conergy was responsible for the design, engineering and components supply of the project and supervised the installation and commissioning of the plant. Training on the ground as well as overseas have been provided to National Solar System who was responsible for the installation works. The power plant features premium components, combining high-efficiency solar modules with Conergy mounting systems and Conergy central inverters. Located in Thuwal north of the city of Jeddah, the landmark project has been managed by the oil giant Saudi Aramco and was executed by several large construction contractors including Saudi Oger.





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Data	
Date	December 2009
Location	Thuwal, Kingdom of Saudi Arabia
Type of System	Rooftop Installation
Installed Capacity	2 MWp
Type of Module	Monocrystalline PV 215 W: 9,306 Modules
Annual Output	3,332 MWh or 330 households per year
Other Components	Conergy SunTop III Mounting System Conergy IPG 280K Inverters Conergy Smart Connect Array Junction Box Conergy Smart Control DAS
Project Area	11,577 square metres
Developer	Saudi Aramco