

News from Facilities Services

UNLEY HIGH SCHOOL 100kW Solar Installation

DPTI Facilities Services as part of the Sustainable Schools Program managed the delivery of a 100Kw Solar System at Unley High School.

Adelaide Cabling Services was awarded the contract to undertake the design, installation and commissioning of the 99.7kW rooftop system, which consists of 338 solar panels, 4 27.6kW Solar Edge inverters and P700 Optimisers. The SolarEdge DC optimised inverter maximizes power generation while lowering the cost of energy produced by the PV system for a higher return on investment.



The SolarEdge system is connected to the internet, to allow login via portal on any device to monitor system performance, system status and access detailed output graphs over time. An estimated yearly energy saving of 165.278 MWh and an extended warranty, the system is envisaged to provide ongoing contribution to the school's energy needs for the future and a great benefit to the environment.

The project included access to the solar array with ladder, roof safe access system and roof decking to enable ongoing and safe solar array maintenance.

Handover inspections undertaken with Jeremy Chu (DPTI) and Jacob Duvall (Education Department) who appreciated the construction methodology used and high quality of installation finish.

Special thanks to Unley High School, Department for Education representatives, and DPTI Works Delivery Coordinators who assisted in the delivery of this project ensuring the project was delivered within time and cost constraints.