



Building a Greener Future SOPA Solar Car Park (Stage 1)

Sydney Olympic Park Authority (SOPA) teams up with leading solar solutions provider to create a new solar system design for their car parking spaces

About the Project

Since 2000, SOPA has transformed the Sydney Olympic Park into a sustainable business, education, residential, recreation and events district. SOPA has a strong commitment to sustainable practices and is continuously looking at ways to improve their energy sustainability, reduce electricity cost and lower their CO2 emissions.

To support SOPA achieve their sustainability goals, Smart Energy Answers (SEA) installed the leading panel technology from LG as well as built a customised car shade structure with panels embedded in the frame. The LG NeON 2 Bifacial is LG's best selling module for commercial applications. The panels incorporate BiFacial cell technology, which enables light to be captured from the front and back of the cell, allowing for higher energy generation. The panel's incredible performance output means it can gather more power per square metre in comparison to other modules on the market.

The solar installation on top of P3 car park at SOPA represents a pilot of a larger project which involves covering the entire roof car parks with similar car shade structures and solar panels. The installation took place in December 2019 and was completed within 4 weeks.

About the Installation

- **Location:** Sydney Olympic Park NSW
- **Solar Panels:** x300 LG NeON 2 Bifacial 405 W
- **Inverter:** x2 SMA Sunny Tripower Core 50 kW

The Challenge

- To find a competitively priced solution that's tailored to their needs and will help them achieve their sustainability goals.
- Partner with a provider with quality tradesman and with extensive experience in the industry.

Why Smart Energy Answers?

- Leading solar provider in Australia
- Authorised dealer of LG
- CEC Approved Solar Retailer
- Combined 100 years' experience in the solar industry

The Solution

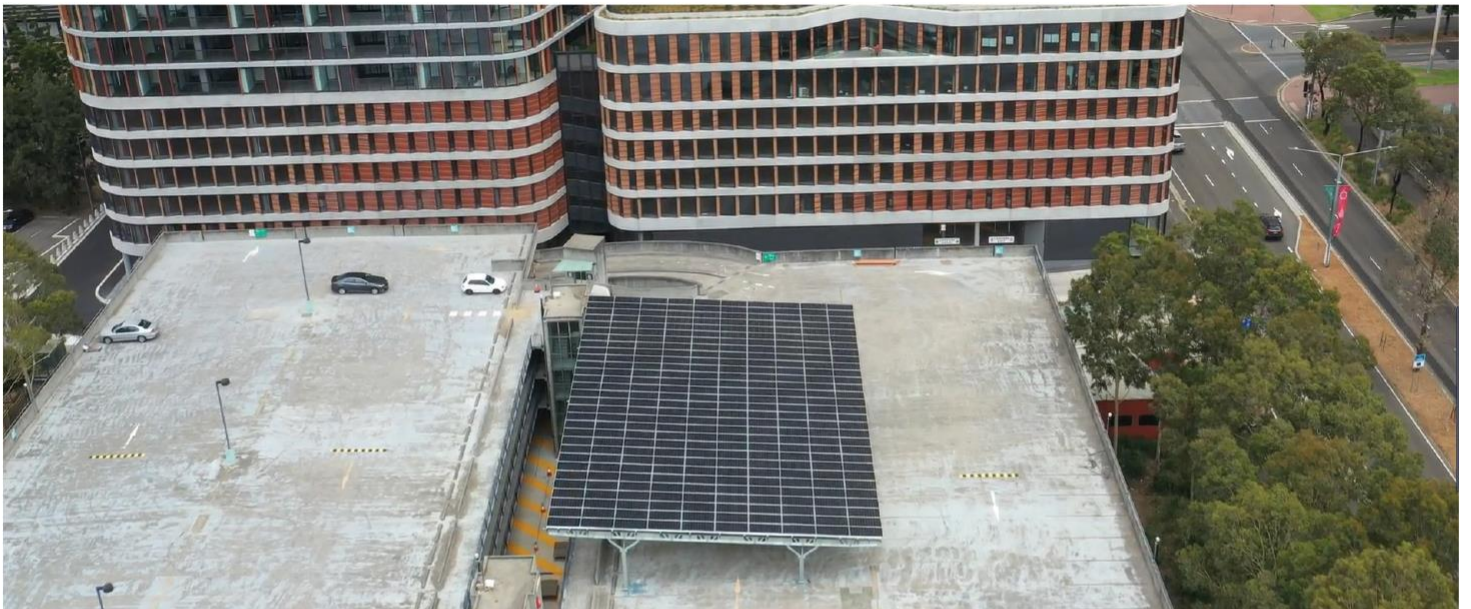
- The parking spaces were covered by 300 LG NeON® 2 solar panels which brings SOPA's total PV capacity to 121.5 kW.
- The solar system solution features 2 SMA Sunny Tripower Core 50 kW inverters to further increase the efficiency of the system

The Result

- The system is expected to generate more than 200,000 kWh of clean electricity per year.
- The estimated savings in the next 25 years is projected to be over AU \$800,000.



We've been incredibly impressed with the delivery of this project by Smart Energy Answers. They brought extensive experience and professionalism to the project. The solar car shade solution is innovative and the process can easily be replicated for other projects. Sam Husband and his team also managed to complete the project under a tight deadline.



Start your solar journey today

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