



World-class architectural design meets sustainability

Smart Design Studio (SDS) teams up with Smart Energy Answers (SEA) to achieve sustainable design excellence with new headquarters.

Building a Sustainable Future

Founded in 1997, Smart Design Studio (SDS) is a multidisciplinary design studio offering professional services in architecture and interior design. SDS has a strong commitment to sustainable practices and a desire to promote environmentally conscious design.

SDS approached Smart Energy Answers (SEA) to develop a cost-effective and renewable solution for their new headquarters based in Alexandria. To support SDS to reach their sustainability and business objectives, SEA installed the leading panel technology from LG, sonnenBatterie and SolarEdge. SEA also helped SDS take advantage of the available STC rebates which enabled the company to save money on the cost of the overall solar power system.

SDS awarded the project to SEA in April 2019. The partnership was formed to help pave the way to mainstream sustainable design in Australia. With these cutting-edge elements in place, SDS aims to showcase its sustainable design pedigree and promote environmentally conscious design, not only as a design philosophy but also as an aesthetic pursuit.

About the Installation

- **Location:** Alexandria NSW
- **Solar Panels:** x255 LG NeON® R 365W
- **Batteries:** sonnenBatterie Eco 9.43 (15 kW)
- **Inverter:** SolarEdge 82.8 kW Inverter with x128 panel power optimisers

The Challenge

- To be carbon neutral by the end of 2020
- Achieve a six Green Star rating with the design
- To find a competitively priced solution that's tailored to their needs
- 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' of experience in the solar industry

The Solution

- All materials have been carefully selected for their embodied energy, impact on the environment and reuse opportunities.
- The building will be energy positive with x255 (365 W) LG NeON® R modules which brings their total PV capacity to 93.1 kW.
- The solar system solution features an 82.8 kW SolarEdge inverter with Synergy technology and x128 panel power optimisers for optimal performance and monitoring.
- To increase SDS's energy independence, 15 kW sonnenBatterie Eco 9.43 has been integrated into the system.

The Result

- Leading-edge solution with symmetrical and sustainable design.
- Estimated savings of \$30,000 / year with ROI of 25%.



The studio has been an exciting testing ground for new concepts and techniques to push the practice forward. Our practice along with Architects Declare are committed to going carbon neutral by 2020.



We've been happy with SEA's efforts to work collaboratively with us and they've delivered a solution which will help us achieve our sustainable goals. They brought extensive experience and professionalism to the project.

Start your solar journey today

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