



Henkel

Case Study



Energy: Solar



Industry: Industrial



System size

1.1 MW



Estimated annual solar yield

1,582,441 kWh



Contribution to energy needs

34%



First year savings

\$206,615



Annual greenhouse gas reduction

1,388 tonnes



Estimated 25 year saving

\$5,165,375



They were very good, they communicated well and they had a good awareness of safety... They basically let us know about everything that was happening and updated us on all the information we needed to know”.

Henkel

Henkel is a multinational adhesive, home and beauty care company. They are the world’s leading adhesive manufacturer as well as being responsible for a large portfolio of brands and products including Schwarzkopf and Persil.

Background

Shine On first worked with Henkel to upgrade their lights to LED at both their Kilsyth and Seven Hills adhesive technology sites. Henkel was committed to continuing its carbon footprint reduction, so after a short tender process we began work on decreasing their grid reliance by installing Solar PV across both sites.

Both are manufacturing facilities so draw large amounts of energy, but equally have huge mostly unimpeded roof space. Rather than purchase the systems, Henkel elected for Power Purchase Agreements (PPAs).

The project

The planning phase of the project was extensive. Many design reiterations were completed aiming for the highest possible self-consumption. This worked out to be 452kWh for Seven Hills and 613kWh for Kilsyth. All safety, project planning and compliance documentation was approved up front, with status reports provided weekly.

The installations were completed in lock step, with teams in NSW and Victoria. Challenges included state government Covid-19 regulations of the time and prolonged poor weather conditions in NSW. Despite these challenges, both projects were completed within four months.

Results

The collective 1.1MW of solar installed contributes 34% of the sites’ energy needs. This saves Henkel \$206,615 per year, and with PPAs there is no upfront or ongoing maintenance costs.



Henkel Seven Hills

shineon

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