

Case Study - A.D. Coote & Co. The Metal Specialists - 100kW



A.D. Coote & Co. (sheetmetal) Pty Ltd was incorporated in June 1968 to make sheet metal building products. They now specialise in the manufacture and supply of sheet metal products including light poles, roofing products and general metal fabricated products. A.D. Coote & Co. operates from a fully equipped workshop factory at its head office complex in Welshpool, providing up to date equipment for management, production and quality control activities while employing a large production workforce which is supported by administration, technical and supervisory personnel.

Charles de Vos (A.D. Coote & Co General Manager) contacted Solargain through a word of mouth referral in August 2013. Solargain provided A.D. Coote with a comprehensive proposal for a 100kW solar system, and worked closely with them while they were negotiating a new tariff with the energy supplier. The system was installed with no interruption to the business's production, with Solargain's installation team doing the switchboard connections and testing after hours and over the weekend. The system was successfully turned on in April 2014. Solargain has revisited the site after a communications upgrade was undertaken by A.D.Coote and now with both A.D. Coote & Co and Solargain having access to the Fronius full monitoring of the system.

The 100kW system installed has proven to be cutting the bills substantially for A.D.Coote in line with Solargain's original calculations, with savings of around 60% on the previous year's bills.

Project Overview

Location: Welshpool, WA

Total system size: 100kW

Completion Date: April, 2014

Products: - 400 x 250W ReneSola panels
- 1 x 100kW Fronius Agilo inverter

Installation: Flush Mounted 13 Degree pitch

Annual Energy Production: 174.5MWh approximately

Annual Greenhouse Gas Emission Reduction:
151.88 tonnes CO₂ equivalent

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A D Coote has always been a manufacturing company that prides itself on producing high quality items at the smallest margins possible. Manufacturing is an industry that has stiff competition from within Australia and abroad. With this in mind, we need to be continually looking at ways to reduce our costs. With the sun shining more often than not in Australia, solar energy should be an obvious choice for any company wanting to make some savings. We are extremely happy with the savings currently being made. We have reduced our monthly electricity bill by more than 2 thirds for the same period last year over the last 6 months.

It is also an option that requires very little management or maintenance and once installed continues to give savings day after day, month after month. Another advantage of this system that I have noted is that the more our demand the greater our savings.

Charles de Vos
General Manager
A.D.Coote & Co - The Metal Specialists

