

Case Study - Odeum Farms - 190kW



Odeum Farms is a grower-based marketing joint venture, designed to eliminate all non-essential links in the supply chain in getting fresh produce to the retailer. Their head office in Canning Vale contains two separate buildings which are next to each other; one combining their administration and a cold storage facility, and the other is purely a distribution warehouse.

Even though the buildings are next to one another, with each building having its own main Western Power meter, each individual load profile was assessed to determine the appropriate system size for each. This is because not only the electricity usage was different between the buildings, but the way in which the energy was consumed was also different.

As a result, it was decided that the main building would require a 100kW system, whereas the distribution warehouse would only need 90kW.

Installed at the same time as the 100kW system for United Crate directly over the road, the almost 300kW of solar capacity installed in the same street certainly makes an impact, not only in the bills of Solargain's respective clients but also to the local business community.

Estimated first year savings for Odeum Farms is approximately \$63,475 for the two systems combined.

Project Overview

Location: Two locations in Canning Vale, WA

Completed: August 2014

System size: 190kW (100kW + 90kW)

Roof Fixing Method: Flush mount framing on trimdeck roof

Products: 100kW

- 400 x ReneSola 250W panels
- 1 x Fronius Agilo 100kW Inverter,
- Clenergy PV- eziRack mounting system

90kW

- 360 x ReneSola 250W panels
- 1 x Fronius Agilo 100kW Inverter
- Clenergy PV-eziRack mounting system

Annual Energy Production: 253.4MWh approximately

Annual Greenhouse Gas Emission Reduction:

269 tonnes CO₂ (CO₂ equivalent)