



MILKWOOD FACTORY

South Coast, NSW

Grid support solar and battery solution

Commissioned Q3 2022

THE CLIENT

Milkwood is owned and operated by the Hilkenmeijer family and incorporates a food production factory and a cafe in Berry.

REQUIREMENTS

Factory production reached capacity in 2021 and plans to add equipment required a high capital cost grid infrastructure upgrade.

Milkwood engaged QuantumNRG to coordinate the addition of a renewable energy solution.

The key Client requirements were:

- Identify new consumption levels.
- Plan, design, cost and integrate renewables.
- Maximise lower cost "off peak" rates.
- Minimise higher cost grid usage.
- Backup fridges and cool rooms.
- Real time reporting.
- VEN energy trading capable.

SOLUTION

42kW Solar PV and 70kWh Redflow solution.

BUDGET

Project budget \$165k (ex GST), including project management fees.

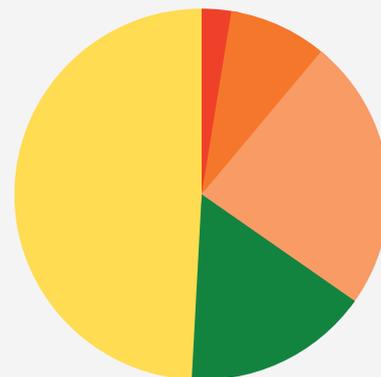
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RESULTS

- New consumption levels identified.
- Renewable solution fully integrated.
- > 85% energy from "off peak"/ solar.
- Higher cost grid usage minimised.
- Fridges/cool rooms backed-up.
- Reporting real time energy data.
- VEN energy trading scheduled.

**Forecast Post Project Annual Energy Mix
(118 MWh)**



- Grid Peak - 3 MWh
- Grid Shoulder - 10 MWh
- Grid Off peak (Self Consume) - 28 MWh
- Grid Off Peak (BESS Re-charge) - 19 MWh
- Solar & Battery - 58MWh

"Engage someone who takes control, provides and helps with actually bringing it to completion, its like employing a super staff member for solar problem solving."
Jelle Hilkenmeijer