

Case Study

► Solo Resource Recovery & Rico Recovery Systems

99kW & 43 kW Solar Systems

Client	Solo Resource Recovery & Rico Recovery Systems
Location	Chinderah, NSW 2487
Application	Solar PV 143kw – 99.84kw on workshop building and 43 kW on Office Polycrystalline Solar PV
Solar Panels	
Inverters	99kW workshop – 384 x seraphim panels 260w – 2 x SMA STP 20000TL -30 and 2 x SMA STP 25000TL -30 43kW office – 167 x seraphim 260w panels – 2 x SMA STP 20000TL -30 inverters
Installation Date	Completion date 21/3/16
Energy Reduction	219.219MWh per year
Energy Savings	\$46,206 per year
Return On Investment	3 years, 4 months



License Numbers: QLD 72250 | NSW 227562C

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Description of Works

SAE Group was engaged by Solo to design and quote on a solar system that would minimise the power usage from the grid over the 2 separate buildings.

The interval data usage was analysed to map the usage over the previous year of operations and input into PV sell to correctly size the required PV system, once we had worked out the system size we were able to present to Solo our findings with extensive graph overlays, data and ROI.

The Installation itself is spread over North, East and West rooves to maximise the Solar production throughout the day to suit the Internal usage from the premises.

The 99kw Installation was required to be export limited to 40kw over the 3 phases as per Essential Energy approval, which was enabled by the use of SMA export control hardware paired with The SMA Inverters.



Testimonial

Both Solo Resource Recovery and RICO Recovery Systems found the entire process of investigating, sizing, developing a business case and installing the Solar System to be very educational and informative. Nathan from SAE was always available to answer questions, provided prompt responses and information immediately. The installation was smooth and very well coordinated, especially between SAE, the energy provider and retailers. Nothing was too much and any issues were addressed immediately.

Thank you SAE Group

Christian Wells – Procurement Manager
Solo Resource Recovery



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