

## *Clean Energy*

Innovative northern Tasmanian print company, Woolston Printing, has recently completed a major sustainable energy project.

A holistic energy plan was compiled by Jessups Solar Squad, a well-known Launceston based business. The installation comprised of 250 Suntech STP260-WEM Multi-crystalline solar panels with a total nominal maximum output of 65 k/w grid, connected via 3 SMA STP25000TL German Sunny Tri Power inverters with a total capacity of 65 k/w.

Together with the solar PV system, Woolston Printing replaced around 400 incandescent, fluorescent and sundry old style lights with LED globes. This means an approximate 62% saving on power usage, heavily reducing the sites continuous electricity demand. Total overall demand for grid power will reduce by around 85%, based on historical consumption levels.

The panels chosen feature high module conversion efficiency, high PID resistance, positive tolerance and withstand harsh environments and extreme winds. Suntech panels are also one of only two brands globally to have received VDE quality tested certification. The panels have a 25-year warranty but are proven to perform further and beyond.

The inverters used to facilitate the installation are extremely robust and highly technically advanced. They offer inbuilt Bluetooth connectivity to draw down data with 10 minute, daily and monthly spreadsheets generated with the software. SMA is also the only inverter globally to hold VDE accreditation.

Woolston Printing already uses heat pumps for space heating and cooling and the recently built facility has excellent insulation. Installing LED lighting will further reduce their energy usage and has reduced the size of the rooftop solar system they require. These combinations of smart energy conservation practices puts Woolston Printing as a leader in their field and progresses their vision of being a clean sustainable business.

With electricity costs being in the top three expenses of operation, the overhead reduction finds Woolston Printing in a situation to drive a better bottom line and be more competitive in the marketplace.