

Quarry Mining & Construction Equipment

Superior Solar & Conergy Project



Quarry Mining is a leading supplier of high quality drilling equipment all manufactured to rigorous standards, for the toughest conditions. This manufacturing process involves a high level of energy consumption and overhead, so the opportunity to lower fixed operating costs was extremely appealing.

Superior Solar designed the system that incorporates three adjacent sites and the energy demands of each. The system was engineered to maximize the available roof space, meet the level of consumed power with minimal export to the grid to maximize return on investment.

Superior Solar successfully coordinated the Clean Technology Investment Grant application, providing 50% of the funding for installation, further strengthening their return on investment. Quarry Mining is now in a stronger and more competitive position in the market place.

Quarry Mining's Energy Breakdown

Consumed
1182

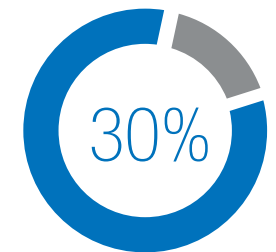


Generated
354



Export
less than 10%

kw/per day



Consumption provided
by solar

0 300 600 900 1200



To maximise the system design, power was fed across the driveway to the building with the largest energy consumption. This involved successfully working with the client, Ausgrid, surveyors, engineers and financiers to register a solar panel easement.

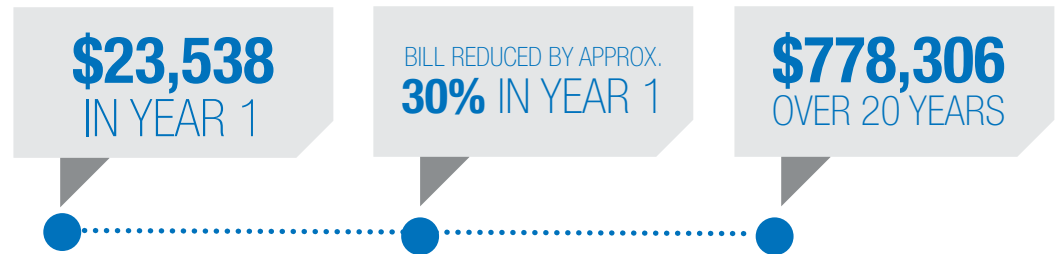
“The team made a quick decision to move forward with the solar project. Key elements that were critical to us were ensuring our sensitive manufacturing equipment was not affected by power fluctuations as well as Superior Solar’s demonstrable performance experience. Quality solar equipment, industry best warranty periods and the Clean Technology Grant provided added incentives and an even better return on investment.”

Ms Kari Armitage, General Manager, Quarry Mining

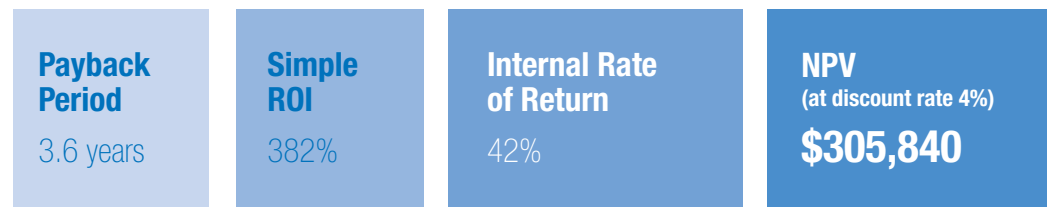


Location	Beresfield, NSW
Project Description	Mining Equipment Manufacturing Facility
Power output	129,463kW hrs per year or 354kW hrs per day
Modules	410 Conergy PowerPlus 245W solar modules
Inverters	8 SMA TriPower Inverters
Mounting System	Conergy Suntop III and Sunlock
Monitoring	Sunny Portal & Webbox performance monitoring
Size of plant	100kW
Emissions saved	2278 tonnes over 20 years or 113.7 tonnes per year

Quarry Mining Total Energy Savings



Quarry Mining Return on Investment



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solar power | solar hot water

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