

Case Study

Solar for Local Factory



Vicbeam manufactures glulam laminated timber beams, located in Bayswater, Victoria. Supplying timber beams for the construction industry for over 15 years.

Energy Wired designs and installs solar solutions for businesses, Not for Profits, and homes across Victoria. Helping our customers save money and reduce their carbon footprint.

Opportunity

VicBeam had grown as a business and moved to a larger factory and office in Bayswater. With a larger factory, their energy bill had also grown. VicBeam wanted to reduce their energy bill and their carbon footprint. They'd set a budget for solar, and came to Energy Wired. Other businesses had also quoted, and we were able to offer them better products for a more cost-effective price.

Challenge and Solution

As a timber manufacturer on a main road the factory produces a lot of dust, and is also accessible to vandalism. So we needed to find a solution that would take the solar inverters out of a dusty environment, not have them accessible to the public. We selected two 50 kilowatt core one SMA inverters, which are capable of being placed on the roof rather than walls – to avoid the dusty environment and access to vandals.

As the building is an older age, we had the roof assessed by a structural engineer for location of panels and inverters on the roof, to ensure structural integrity. Panels and inverter were placed in the areas required by the engineer.

To complete the install we had to have a 4 hour shut down of electricity to the site. The factory manufactures 16 hours a day. So to not disrupt manufacturing, we worked outside of their business hours, to complete the works.

Results

We installed a large 100 kilo watt solar system, including the supply and installation of 303 Jinko solar panels on and SMA inverters. Their annual bill before solar was \$60,080, and estimated annual savings after solar is \$24,450.

“ We believe the latest installation to our Bayswater factory will support our minimal waste policy and our efforts to reduce our carbon footprint. As heavy energy users, we had Energy Wired install 100 Kilowatts of solar power to our factory roof. Thanks to Energy Wired for their quality work and excellent customer service.”

Caleb Wallace, Managing Director