

Case Study Industrial Lighting:

Dynamic Windows



We save your energy



Industry: Manufacturing

Location: Bairnsdale, VIC

Scope: Lighting upgrade

Project value: \$10k after Rebate (\$59k financed)

Implemented with 'green' finance loan

Savings: \$64k /year

Energy reduction: 175 MWh/year

Payback: 3 months

Dynamic Windows manufacture a wide range of window and door products in Bairnsdale, Victoria. Their goal was to engage in a cost-effective project to reduce the facility's energy consumption.

The solution

Engineers at Genesis Now undertook a thorough analysis of the lighting needs at the facility to model and deliver a customised LED solution with Bluetooth enabled algorithm driven smart controls. The controls ensure that lights react intuitively and progressively to available day light and activity but never leave islands of darkness where staff are working alone in large spaces. The business case was further improved by the lighting design which reduced the light count significantly whilst increasing brightness for all areas to exceed Australian Standards.

Utilising finance and other support mechanisms

The installation produced a significant rebate under the VEET program and excellent energy savings to accelerate the financial return. This project was eligible for Federal Government backed 'green' finance to facilitate the upgrade. The repayments on the loan were a small fraction of the projected savings, and the VEET benefit was returned to the client as a lump sum meaning they had more capital for other improvements to the business.

"Genesis Now took the guesswork and headaches out of the equation when it came to our lighting upgrade. They provided an engineered solution that included documentation and charts as to how the new lighting would be implemented throughout our facility to suit the work requirements in our various departments. The energy cost savings have been immediate and significant, and the lighting is now more even and better suits our working environment. The installation was performed by a local contractor with basically zero impact on our production schedule. The smart controls were an unexpected addition that are programmed individually to suit the different requirements of the various departments throughout the building, very impressive option that we are glad we took". – Damien Hudson (Director), Dynamic Windows



Installation of the new LED high bays and controls

Genesis Now engineering team conducting quality control on site

