

We are consultants who deliver real energy use reductions, to save businesses money and reduce their carbon footprint.

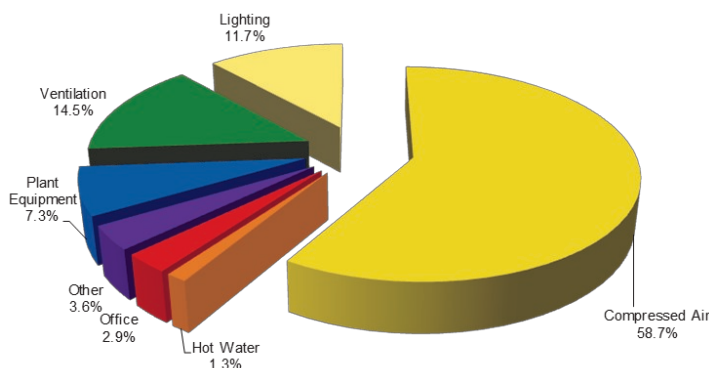
Construction Engineering - 37% Cost Saving

T W Woods Construction
Level 2 Energy Audit
CTIP Application and ongoing reporting

The owners of this manufacturing site were very keen to reduce their energy usage and cost to improve their competitiveness in the market as demand for their services decreased due to economic downturn.

JCM, through the NSW Office of Environment and Heritage (OEH) Energy Saver Program, provided a Level 2 Energy Audit to identify opportunities for reducing energy demand on site.

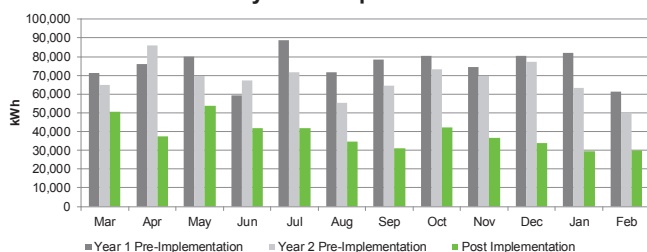
Analysis of the energy use patterns on site identified that the compressed air system used the vast majority of energy on site, with lighting and ventilation also providing significant opportunities for energy efficiency



JCM recommended that the site upgrade their ageing air compressors to new variable speed compressors with better control logic that would more effectively cope with the variable air demand on site. The site also increased their use of natural light through the installation of translucent panels on the workshops, reducing their dependence on high bay lighting. The compressed air system was also upgraded to reduce leaks and the operation of the ventilation system streamlined.

To assist with the funding of these measures, the company decided to apply for a federal government grant through the Clean Technology Investment Program (CTIP). JCM helped the company to successfully apply for the grant and to prepare the ongoing milestone reports. JCM also assisted the company in receiving the maximum funding available when the scope of works was changed during implementation.

Electricity Consumption Pattern



Since the implementation of these measures, the electricity intensity on site has decreased by over 40%.

Client Feedback
"Our energy costs have almost halved and we are very happy. I would recommend JCM to

anyone mainly because of their personal service, flexibility and knowledge. They helped us get things done that we could never have attempted by ourselves."

- Tom Woods, Managing Director T W Woods Construction

FOR MORE INFORMATION ON HOW WE CAN SAVE YOU ENERGY, CONTACT US

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In Brief

This manufacturer had been operating at the same site for over 50 years offering metal fabrication and sand blasting services.

Staff on site lacked sufficient time and knowledge to arrest increasing energy usage and costs.

JCM identified as part of the audit that significant opportunities existed in the compressed air system as well as in lighting and ventilation onsite.

Following the audit, JCM prepared a successful Clean Technology Investment Program (CTIP) application which provided 50% grant funding for upgrades to the compressors, workshops and power factor correction. JCM also provided the ongoing reporting to AusIndustry.

Annual Savings:

- 37% cost
- 266 MWh electricity
- 36% energy use
- 282t CO₂e

