

CASE STUDY Keech Australia - Big vision for reduced energy use bill



Switching off the Rotary Media Drum/Sand Reclaimer

For almost 80 years Keech Australia has been designing and manufacturing high integrity steel castings, domestically and internationally, for the mining, excavation, construction, agriculture, rail transport and defence industries.

Since 2010 Keech Australia has been developing its carbon reduction strategy. Measures to date include the upgrading of the old air compressors to reduce energy wastage through air leakage, designing and installing energy efficient moulding, pouring, shake-out and knock-out systems, purchasing a more efficient Arc Furnace, and converting single-casting moulds to multi-cavity moulds to reduce wastage, and the heating needed for pouring.

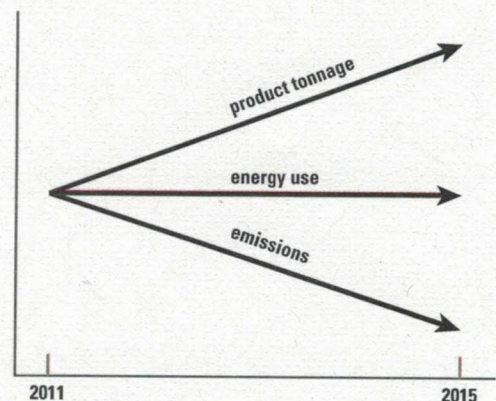
Quality control systems have also been implemented at Keech to reduce the amount of re-work created when a casting is faulty or rejected. Staff behaviour change is also part of the strategy with measures such as turning lights and equipment off when not in use and setting air conditioning temperatures to the recommended industry levels of 25 degrees Celsius or above.

By the time their carbon reduction strategy is fully implemented in late 2014, Keech Australia aim to have reduced carbon intensity by up to 30%, saved over 50,000 tonnes of carbon, reduced productivity costs by over 20%, improved yield of finished products and increased competitiveness.

An energy efficiency strategy is a blueprint for energy cost savings.

Keech Australia reduced energy costs by:

- Upgrading old air compressors to reduce energy wastage through air leakage
- Designing and installing energy efficient moulding, pouring, shake out and knock out systems
- Purchasing a more efficient Arc Furnace
- Converting single-casting moulds to multi-cavity moulds to reduce wastage and heating needed for pouring
- Engaging staff in a commitment to turn off lights and equipment when not in use and keep air conditioners at the recommended industry temperature of 25 degrees Celsius or more.



Keech Carbon Reduction Strategy

For more information on making your business energy efficient call 5479 1900
or visit www.sustainableregionalaustralia.com.au