




## Integra Packaging – new systems, new savings

### SUCCESS STORIES IN THE SHOALHAVEN

KEY FIGURES ACHIEVED	
 Electricity consumption	<b>Reduced electricity consumption by over 20%.</b>
 Water reduction	<b>Water use reduced by 36%.</b>
 Waste reduction	<b>Waste reduction of 90% saving \$30,000 to \$40,000 per year.</b>

#### Case study

Integra Packaging is a packaging solutions business and has over 500 clients spanning defence, mining, infrastructure, logistics, aerospace and general manufacturing. Integra Packaging is constantly working with their suppliers to come up with new and more sustainable ways to meet their clients' needs.

Integra Packaging joined the BTL program in 2009 and have been active participants ever since. This company has established a long term sustainability plan which identifies areas of opportunity.

#### How did they do it?

- Integra Packaging is leading the way in supplying a complete packaging solution to their clients. They work with their clients and devise the most cost effective solution – and the most sustainable. For example, they currently offer specifically made reusable packaging solutions. This allows the customer to collapse the packaging, saving on space and transport costs on the return to the point of reuse. The customer can reuse this packaging, save money and reduce the

amount of raw material that are used in traditional transport methods.

- Integra Packaging use Intercept anti-corrosive wrapping. This wrapping contains copper in a plastic matrix. The copper acts like a sacrificial anode that protects the contents. This means that Integra's customers can protect their goods in an environmentally sound way. Intercept wrapping replaces other methods of corrosion control such as mineral oils and an assortment of toxic chemical treatments.



*Integra wrapped and protected Sea Sprite helicopters.*

- New processes and product lines have seen Integra increase its profitability, provide improved service and reduce electricity consumption by over 20%
- Integra are moving away from traditional pallet type packing materials. Pallets have a very limited life span and are often made out of treated timber. Treated timber is toxic, cannot be reused and ends up as landfill. Integra's product line has a much longer useable life span, is lighter, cheaper to transport, uses less raw material, stackable and contains no toxic material.
- Integra Packaging purchased a petrol driven floor sweeper to replace the previous practice of hosing down work areas. This action

reduced water consumption by 36%, improved employee safety and had a payback period of less than 14 months.

- Integra Packaging has reduced their waste by 90%. Wood waste is now collected by a recycling provider and turned into mulch whereas previously this waste material was taken to landfill. This simple action saves this company \$30,000 to \$40,000 per year.



*Integra Packaging can pack anything – even a submarine*

### Other initiatives:

- Have moved from using hardwoods to using sustainably grown softwood plantation timber.
- Haven't installed any sensor lighting – they don't need to. Integra Packaging staff turn off all the lights and equipment at the end of the day and at meal breaks – saving thousands and costing nothing.
- All cans are collected by staff for recycling.
- Air compressor lines are routinely checked for leaks.
- Implemented a preventative maintenance program to ensure that all equipment is running efficiently.
- Save around \$500 per load through load stacking and other space saving revisions.

**“A lot has been achieved with our journey with BTL, and there is more to do. This journey is about being aware of the opportunities to make the business more sustainable not only through energy efficiencies but transport/logistics, training and other operational efficiencies.”**

Tony Dyer,  
General Manager, Integra Packaging



*Staff involvement is key to sustainability success*

### Future projects?

- Conduct an air-conditioner audit and develop a replacement program.
- Investigate energy efficiencies in high bay lighting.
- Investigate potential to recycle low quality shrink wrap.

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