

Green print



Environmental responsibility is a huge talking point for many organisations in Australia, along with more general social responsibilities. In fact, according to a Deloitte survey¹, a greater percentage of Australian business executives believe that climate change is an issue for them to tackle more than anywhere else globally. At **Ovato** we work to the highest national standards and actively promote and utilise environmentally responsible practices across our print group. We have long held a commitment to environmentally responsible material sourcing and manufacturing practices.

Australian Forests



Australia alone has two million hectares of working forests. That equates to over 1,000,000 MCG's in land area.

- *Two Sides 2019*

Over 90% of Australia's commercial native forest operations are independently certified to comply with the world's best sustainable forest management practices compared to the global average of 8%.

- *Australian Forest Production Association, 2020*

Responsible companies are sourcing paper from properly managed and sustainable forests, so it's 100% renewable. All paper purchased by **Ovato** is certified by either Forest Stewardship Council (FSC®) or Program for the Endorsement of Forest Certification (PEFC™), meaning that we comply with the highest social and environmental standards and that all paper we use for printing is purchased from sustainable sources. This certification is audited every year by independent authorities to ensure we maintain these standards.

Paper recycling rates in Australia are amongst the highest in the world with over 87% of all paper and paperboard recovered.

- *CEPI Sustainability Report, 2018*

Recycling

At **Ovato**, we take recycling seriously. Over 99% of the materials used at **Ovato** are recycled. Over a two-year period, **Ovato's** own recycling program achieved a reduction of waste going to landfill of 35%. We are a certified member of Two Sides, the largest global industry environmental representative that ensures all members are compliant to an industry standard for paper and print sourcing and manufacture. **Ovato** has been a founding member of Two Sides across Australia and New Zealand for over ten years and continue to set the benchmark of environmental standards across the industry.



¹: <https://www.zdnet.com/article/deloitte-says-41-of-aussie-execs-want-new-tech-to-tackle-climate-change-social-issues/>



Sustainability

Ovato's unique multi-function sites allow printing and distribution services to be located under the same roof, which removes the inefficiencies of a multi-supplier solution, reduces added transport requirements and the use of unnecessary wrapping and packaging. This helps reduce emissions and overall impact on the environment.



Well-managed production forests reduce the pressure on primary forests and can provide many other environmental benefits such as carbon capture. Australia's forests provide a range of ecosystem services in regard to biodiversity, carbon, soil and water.

- Australian State of the Forests Report 2018

Forests help to mitigate climate change — over a single year, a mature tree will take up approximately 22 kg of CO² from the atmosphere, and, in exchange, release oxygen.

- EEA, European Forest Ecosystems – State and Trends, 2016

Energy

Ovato has continually focused on improving the efficiency of our energy consumption. In 2007, the **Ovato** Board approved a capital program of energy efficiency projects for all printing sites. These projects involved improving the gas and electricity consumption of afterburners, the electricity consumption of compressors, new energy efficient pre-press processes and power correction factor optimisation. **Ovato** will continue to pursue energy efficiency measures across all sites to further reduce overall emissions.

Lighting

In 2014, lighting at all major **Ovato** manufacturing sites were replaced with LEDs as they have the following benefits:

1. *Environmental* - LEDs do not contain arsenic, lead, mercury or other harmful substances.
2. *UV free* - Studies have shown UV emissions to be harmful to health with prolonged exposure, LEDs emit far less UV radiation and infrared light when compared with traditional lighting. LEDs also emit almost no forward heat while traditional bulbs like incandescents convert more than 90% of the total energy used to power them directly into heat.
3. *Reaction time* - LEDs can be switched on and off instantaneously without warm up time required with halogens.





Lighting

4. *Durability* - more resistant to shocks and vibrations, due to being made with solid state componentry.

5. *Size* - take up less space than conventional lighting for the same or better output.

6. *Longer lifespan* - LEDs can last up to 8 times longer than compact fluorescent and 50 times more than incandescent lighting.

7. *Energy efficient* - they consume less power and can operate effectively on low-voltage electrical systems.

8. *Lower maintenance* - reducing costs.



Planted forests help reduce the stress on native forests, they also increase the amount of clean air, shelter and habitat, food and biodiversity.

- *Australia's State of the Forests Report, 2018*

Approximately 60% by volume of the total plantation log harvest in the period 2011-16 was sawlogs, and 39% by volume was pulp logs.

- *Australia's State of the Forests Report, 2018*

In 2016 alone, 44.7 million tonnes of e-waste were generated globally, of which 435,000 tonnes were mobile phones. The Australian pulp and paper sector has reduced Greenhouse gas emissions to the energy equivalent of removing 29,192 cars off the road and energy intensity fell to be equal to the energy required to power 122,252 houses.



- *National Pulp & Paper Sustainability, 2018*

Waste

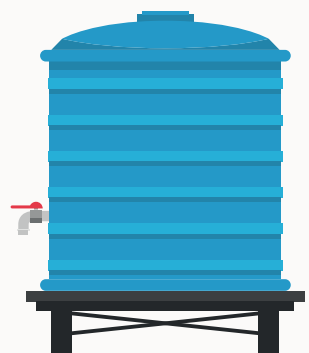
Ovato prides itself in achieving water savings across the manufacturing process, the segregation of waste streams to maximise recycling and the reduction of waste to landfill.

Print and sustainability

Ovato's Environmental Management System (EMS) is modelled on the ISO 14001:2004 management standard and ensures we are always cognisant of the impact our operations are having on the environment and communities around our sites. **Ovato** was the first heatset web and sheetfed printer in Australia to gain ISO 14001 certification and as a result of successful annual reviews, retain full accreditation.

Water wise

At the Warwick Farm SuperSite we capture 4.2m litres of rainwater each year. This is re-used across the site, conserving water.





Packaging

With Australia’s largest supermarket chains abandoning single-use plastic bags, and ALDI committing to reduce plastic packaging by 25% by 2025, it’s clear that there is a wind of change blowing through Australian packaging practices.

Pressure is likely to continue to build as customers choose to shop with businesses who operate ethically and sustainably.

Those businesses will inevitably look to their suppliers to work with them in operating more sustainably, beginning with their packaging practices. **Ovato’s** packaging business in Geebung is working closely with clients on attractive, sustainable solutions. Savvy brands are shifting from plastic to folding cartons, using 100% recyclable paper pulp as a more sustainable packaging option, to help meet the 2025 National Packaging Targets which aim to phase out single-use plastic packaging.



Definitions:

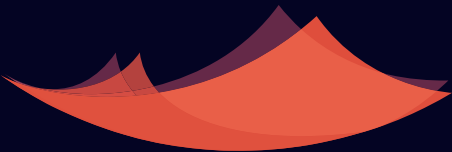
PEFC™: PEFC™ Chain of Custody certification enables you to demonstrate your legal and sustainable sourcing of forest products to your customers. It also provides you with a variety of advantages that help the environment, people, and your bottom line, such as access to new markets and compliance with legislation.

FSC®: Becoming FSC® certified shows that you comply with the highest social and environmental standards on the market. Public concern about the state of the world’s forests and timber resources is increasing, and FSC® provides you with a credible solution to complex environmental and social issues.

ISO 14001:2004: Specifies requirements for an environmental management system to enable an organization to develop and implement a policy and objectives which take into account legal requirements and other requirements to which the organization subscribes, and information about significant environmental aspects. It applies to those environmental aspects that the organization identifies as those which it can control and those which it can influence. It does not itself state specific environmental performance criteria.



The mark of responsible forestry



OVATO

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