

Newsletter Spring 2024

Welcome to our spring newsletter.



As we approach the end of 2024, I'm proud to reflect on how the Ennovc team has adapted to the pace required to embrace opportunities throughout the year. Across the board, we've seen significant growth, both in our team and our service offering – positioning us to deliver more value to our clients than ever before.

By expanding the expertise within our team, we've been able to make strides in our key service areas:

- **Landfill Services:** We've been working on technology developments to increase landfill gas (LFG) extraction, which benefits both our clients and the environment.
- **Recycled Organics:** Our team has successfully implemented our innovative Carbon Air system across multiple sites, and we're proud of the results it's producing.

- **Technical Consulting:** We're currently engaged in several high-profile infrastructure projects across Australia, and we're looking forward to sharing these with you in the new year.

Ennovc's advancements in 2024 reflect our commitment to provide innovative, sustainable solutions tailored to our clients' needs. We're heading into the final months of the year with a level of enthusiasm and energy that we'll be carrying into 2025.

Dr. Ben Dearman PhD
Ennovc Managing Director



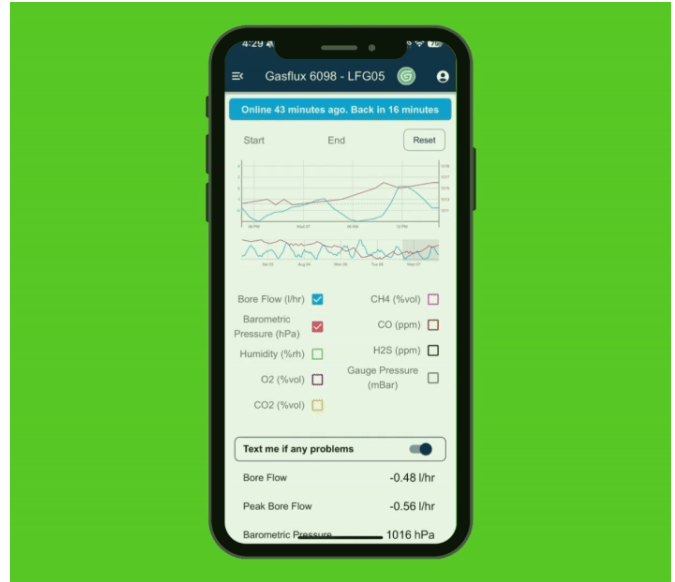
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Introducing our latest software innovation: **The Ennovo app**

We've been working on a new way to empower our clients with the latest information from their landfill sites. Using the Ennovo app, they can access real-time data for environmental monitoring and equipment operations from anywhere in the world.

Watch the video below to see the Ennovo app in action. This clip shows how easy it is to access data from a Gasflux continuous gas monitor installed on a perimeter monitoring bore on an old landfill site in western Sydney.

[WATCH VIDEO NOW](#)



We've established a **new recycled organics laboratory** at Integrated Waste Services' Dublin Eco Hub



The Ennovo team is working hard to ensure product compliance for everyone who uses our recycled organics products, whether it's large-scale agriculture businesses or the at-home gardener.

Our scientists run the on-site lab so they can provide feedback to the processing teams directly and make sure that any issues are quickly identified and dealt with. The lab's establishment has been instrumental in obtaining AS4454-2012 certification for a range of recycled organics products.

We've found a new way to maximise landfill gas extraction

Maximising landfill gas (LFG) extraction is crucial for regulatory compliance. Not only does it minimise impacts on the atmosphere, but this approach also generates the most carbon credits possible. By installing horizontal extraction wells, we can capture methane-rich LFG at the peak of its generation curve as landfill cells are filled.

The site below had more than one kilometre of horizontal wells installed in a single 5m lift of waste. These wells were a fraction of the cost of vertical extraction wells, which are installed after capping completion.

Our team has developed some innovative ways to install these cost-effective horizontal wells in just a few days, and we're implementing them at our sites around Australia. It's all part of maximising LFG capture and continuous improvement, which we're also supporting through [our innovative approach to leachate management](#).

Managing leachate is critical in landfill applications for environmental compliance, and also failure to deliver appropriate leachate management impacts gas collection efficiency and control.



Ennov provides a range of landfill leachate management services and equipment, including our [leachate telemetry system](#). Our real-time telemetry systems enable efficient pump operation to maintain leachate levels and identify issues – and alerts are automatically sent to personnel.

A well-maintained leachate system ensures regulatory compliance and maximises LFG extraction rates. Your Gas, Your Revenue.

We're excited to announce our contract with Byron Shire Council

Over the next four years, our innovative [Lo-Cal flare system](#), and [monitoring and maintenance services](#), will bolster the Byron Bay Resource Recovery Centre's environmental integrity.

We're proud to play a part in keeping the Byron Bay region pristine for generations to come.





We recently modified the **Highbury Landfill flare**

Home to a mob of kangaroos and resident echidnas, Highbury Landfill is one of Australia’s most aesthetically pleasing closed landfills. The Ennovo team recently completed works on the site’s flare to ensure environmental compliance by maximising landfill gas (LFG) extraction.

This modification marks one year since the Highbury Landfill Authority awarded us the landfill management contract, as the site transitioned from renewable power generation to LFG and leachate environmental management. We’re proud to continue the legacy of the site’s responsible stewardship.



Read about our work in the latest issue of **Inside Waste**



Ennovo Managing Director Dr Ben Dearman recently had the opportunity to talk to Inside Waste about our Earth-first approach to landfill management.

Read ‘Keeping greenhouse emissions under control in landfill environs’ below to find out how we deliver environmental solutions that benefit both our clients and the planet.

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