



Newsletter

June 2023

Welcome to Ennovoc's Inaugural Newsletter!

This newsletter is aimed at keeping you informed and engaged with the latest happenings, achievements, and developments here at Ennovoc.

As you might already know, in February of this year DBD Environmental and Biogas Systems Australia merged to form Ennovoc. This merger enabled both businesses to expand our services provided to our clients through broader services, greater depth of resources, and increased efficiencies. The merger was received well, and our industry and peers have welcomed us with open arms.

Since then, we have delivered on an extensive number of projects, ranging from large scale gas collection system installations, commissioning high temperature landfill gas flares, large industrial site remediation, and delivering on our ongoing landfill management service contracts and advisory services.

The future of Ennovoc looks bright with our continued growth across Australia, and with this, we continue to search for high quality personnel to join the team, with many personnel still with us from when we commenced.

A focus for us is to showcase our services underpinned by cost effective technology solutions and practical know how, to the broader market across Australia.

Our strategic growth plan is underpinned by excellent systems and a great pool of talent that have the track record and established foundation upon which to launch from.

Certainly exciting times ahead.



Dr Ben Dearman
Managing Director



Successful Completion | New Chum Landfill Gas Collection System

In 2022, the Cleanaway New Chum Landfill in Queensland site faced various environmental difficulties due to multiple heavy rainfall incidents.

The excessive amount of rainfall resulted in the generation of significant leachate and the release of unpleasant odours.

These emissions and leachate became the focus of intense scrutiny from both the Department of Environment and Science and the local community, demanding a swift and thorough response.



To address the challenges promptly, we were engaged to swiftly design and construct a gas collection system (GCS).

The project was successful, involving the installation of over 150 extraction wells, associated pipelines implemented in four stages, and a tenfold increase in landfill gas to the flaring system.

The achievement of this project led to us being awarded the Operations and Maintenance contract for the site, which is a testament to the team's capabilities and collaborative partnership with our client.



Overview | 2023 Australian Landfill & Transfer Stations Conference

This year, we were proud Barista Sponsors of the 2023 Australian Landfill and Transfer Stations Conference, hosted by the Waste Management and Resource Recovery Association of Australia.

The event was attended by Brie Hamersley, John Waters, Nathen Arezollo and Ben Dearman on the 20th to 22nd of June. Held every two years, this event brings together local and international experts from across the sector to share knowledge and discuss opportunities, pathways, and models to drive the industry forward.

The team attended pre-conference workshops on Landfill Gas Management 101 as well as the Conference Dinner, which is always a great networking event.

Participation in workshops is important for our team as it offers the opportunity for knowledge enhancement, networking, professional development, and staying updated with regulatory changes.

By actively participating in workshops and conference presentations, it enables our team to continue to be able to stay at the forefront of environmental management practices, as well as exchange ideas and learn how others are approaching the unique challenges we face in this space.



Feature | Ennovo's New GIS-enabled Data Platform

Our team has been busy, and have accomplished quite the achievement with the development of an online GIS-enabled data platform, for comprehensive visualisation of landfill gas well data.

This platform allows users to access both current and historical data at various levels, ranging from individual wells to manifold stations, and even entire cells and stages.

The ability to interrogate the data enables the identification of issues and trends over time, providing enhanced management capabilities across the gas fields.

In addition to its functional benefits, this approach aligns with our commitment to sustainability by transitioning to a paperless data collection system. This environmentally friendly approach not only reduces waste but also establishes a single source of truth, ensuring the reliability of data collection.

The system offers accessibility to both our Technicians and clients through a customised dashboard, ensuring the availability of up-to-date information.

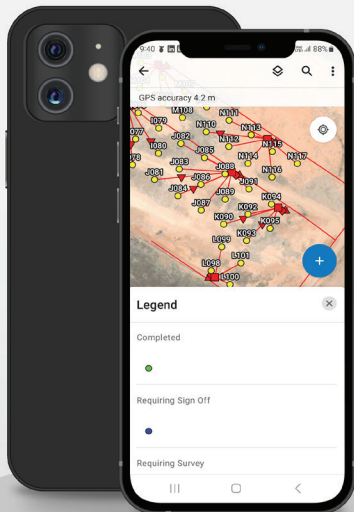
Currently, the online GIS-enabled system is being extended to other aspects of landfill management, such as gas collection system installation and construction. The potential applications of this system are wide-ranging, offering significant advantages to landfill operators.

Our Senior Spatial Analyst, Ash Smith, developed this system based on a similar platform used in the contaminated land industry.

Our innovative online GIS-enabled data platform revolutionises landfill gas management practices, providing operators with valuable insights and efficient data management capabilities.

Ash Smith explains about the platform;

“We hadn't seen this type of GIS-enabled system for landfill gas management before, but its impact surpasses that of other environmental management systems as it addresses both regulatory compliance and resource extraction optimisation.”



Congratulations | Five Years for Sam & Luke



Congratulations to Sam Willacy (Engineer) and Luke Silvester (Instrumentation and Data Scientist) for over five years of service with Ennovo, starting out with the Biogas Systems team.

Sam and Luke have not only become an integral part of our team but have also played a pivotal role in our growth and success. Their expertise, passion, and loyalty have been instrumental in driving our mission forward and shaping our company's culture.

We extend our gratitude to them for their exceptional service and congratulate them on reaching this significant milestone, and we look forward to many more years of shared accomplishments as we work together to make a positive impact in our industry.

Fun Fact | Did You Know?

Sheep have a peculiar fondness for rubbing themselves against our gas wells, which for some time resulted in numerous flowline disconnections at our closed landfill sites when they managed to escape into the area.



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Marketing June 2023