Newsletter
September 2023

As September passes us by, and we find ourselves coming up to the 'finish line' of 2023, we are diligently preparing for the inevitable end of year frenzy!

This last quarter has been one to remember for us. We have had a harmonious spread of works across our Gasflux hire, contaminated land consulting, landfill contracting, and leachate management sectors. Underpinning this success, our GIS-enabled monitoring and maintenance services, coupled with our cloud-based data management system, have consistently delivered.

Our Head Office renovations are now complete, having undergone a transformation into a vibrant, collaborative workspace for our team. Bathed in natural light, it offers views of Adelaide Oval and the bustling CBD.

Ben may have bid adieu to his own office, but he's now firmly immersed into the fabric of our team within this open-plan environment. It's a reflection of the contemporary ethos reshaping office dynamics, and it's been nothing short of transformative, for the better!

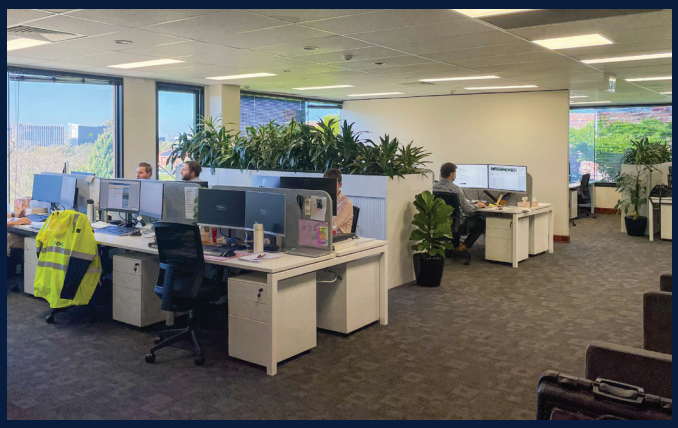
The renovations also saw the extension of our Laboratory, strategically tailored to support the newly acquired Gasflux business in all its servicing, calibration, and repair needs.

The scale of the Laboratory could also potentially lead to other services being developed for the market ... stay tuned!

As this hits your inbox, we are currently at the annual Australasian Land and Groundwater Association (ALGA) Ecoforum, held in conjunction with the 8th International Sustainable Remediation Conference - SustRem 2023, in Melbourne.

We are looking forward to catching up with our industry colleagues again, and over these past years of not being able to attend, we've come to recognise the value of such gatherings, cherishing our participation and sponsorship as an integral part of our commitment to progress and collaboration.

We hope you enjoy this month's update.



Industrial Site Environmental Due Diligence

Amidst the backdrop of escalating interest rates, the industrial and commercial real estate market remains strong, prompting us to take on the crucial task of conducting environmental due diligence for multiple sites.

Environmental due diligence is an essential step in the assessment, mitigation and management of potential environmental risks linked to industrial and commercial property transactions.

This process entails a comprehensive examination of the site's environmental conditions, ensuring compliance with regulations and identifying potential sources of liability.

We utilise a combination of data from both desktop and on-site sources to appraise risks and potential costs for remediation, thereby aiding both buyers and sellers in making well-informed decisions.

This meticulous process not only serves to safeguard the environment but also protects the financial interests of all parties involved.

By undertaking comprehensive environmental due diligence, industrial and commercial property transactions can proceed with confidence, fostering sustainable development and responsible business practices.

This, in turn, strikes a harmonious balance between economic advancement and environmental best practice. We stand out in this endeavour due to our extensive experience and pragmatic approach.

Feature | Low Cost Leachate Telemetry System

Over the past few years, Ennovo has dedicated its efforts to the development of an affordable leachate telemetry system (LCLTS) tailored for the landfill industry.

This telemetry system, which also serves as a data visualisation platform, is a versatile technology employed not only for our landfill gas flares but also for monitoring various environmental parameters.

Adapting this technology to the leachate management system necessitated an inventive approach to ensure the continued functionality of existing leachate pump systems, without requiring a full transition to a purely digital system for data generation.

Leachate management systems have a unique set of challenges, well-known to industry insiders, as the landfill leachate is corrosive and problematic. Therefore, any system needs to be robust.

The primary parameters of concern are the leachate level, a critical regulatory requirement, and the operation of pumps. In the context of many Australian landfills, obtaining this information in real-time offers substantial advantages over periodic on-site visits, often scheduled monthly, offering a substantial amount of benefits.

This data is then used to identify any potential issues with pump operation, ensuring that service calls are made only when necessary, making labour utilisation far more efficient.

Our system uses a combination of radio and phone signals to deliver real-time data to be accessed and viewed through our data platform.

Additionally, leachate level data plays a pivotal role in regulatory reporting, providing regulators with a comprehensive dataset in a timely manner.

Feature | Low Cost Leachate Telemetry System

In instances where issues are detected and leachate levels are notably high, our system offers the added benefit of pinpointing the precise time when elevated levels occurred, as opposed to assuming extended periods, as was previously the case.

When these systems are installed across all leachate sumps at a landfill, they collectively offer a comprehensive understanding on leachate management, presenting a more pragmatic approach to holistic landfill leachate management.

Cleanaway, in particular, recognised the merits of this approach, leading to the installation of over 40 units at their MRL site. Thus far, the results have been fantastic, providing an in-depth understanding of leachate levels across the site and enabling tailored leachate management in a highly focused manner.

It's worth noting that all our systems are manufactured at our Adelaide Head Office, and with the ongoing expansion of our Laboratory, we anticipate their continued deployment across the industry.

Did You Know? | Sardinia Case Study Presentation

The Sardinia Symposium 2023, is the International Symposium on Waste Management, Resource Recovery and Sustainable Landfilling, organised by the IWWG - International Waste Working Group and is one of the world's premier waste management conferences. For those in the waste management industry, it is on the list of 'must attend' conferences each year.

Dr Ben Dearman and Dr Chandana Vidanaarachchi (Latrobe City Council) have had their paper accepted, as an oral presentation at the Conference, happening on from the 9th -13th October.

The paper title is 'Landfill Gas Lateral Migration: A Case Study'. It is based on the Morwell Landfill LFG lateral migration mitigation system Ennovo installed this year, using an innovative pin well system and real time continuous monitoring using a Gasflux unit.

The paper will be presented by Dr Vidanaarachchi, at the same time Dr Dearman will be attending the 2023 Ecoforum in Melbourne. Someone drew the short straw!

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Connect with us.

Tree House Marketing

Prepared by Tree House Marketing September 2023