



Enzen Australia and NNCo shape the smart electricity networks of the future with Horizon Power's innovative IoT Living Lab

Their new partnership will accelerate the digital transformation of Western Australia's power grids.

Adelaide, 30 June 2022. Enzen, the global knowledge enterprise specialising in energy and water, has secured its first engagement in an ambitious strategy to digitalise the energy infrastructure of Australia through smart IoT solutions.

In collaboration with its investee company NNCo, Enzen has entered into a three-year partnership with electricity utility Horizon Power to deploy an Internet of Things (IoT) Living Lab in East Kimberley, Western Australia. The agreement will see Enzen and NNCo roll out the solution across Lake Argyle, Kununurra and Wyndham to enhance the operation, maintenance and performance of grid assets in these remote areas.

Through a network of sensors, Horizon Power's IoT Living Lab delivers real-time situational awareness of electricity assets. Combining Enzen's deep domain utilities knowledge with NNCo's expertise as a leading IoT carrier-grade network provider, the solution comprises a rich ecosystem of LoRaWAN® IoT devices and operational technology.

It will all be managed via NNCo's N2N-DL platform – a leading-edge data aggregation and device management platform for IoT applications that can aggregate data from any network, device or application and simultaneously manage millions of devices.

The Horizon Power IoT Living Lab is flexible, cost-effective and can be scaled at speed, complementing and extending control systems such as SCADA. Such versatility is essential for Horizon Power, which has customers dispersed over a huge geographic area and needs to develop safe, sustainable and efficient new methods for ensuring resilient and reliable power supply to consumers. LoRaWAN® is a highly secure open standard technology, which enables IoT solutions across business, agriculture, smart city and community applications.

Dileep Viswanath, CEO of Enzen Australia, said: "Our vision is to create the smart, sustainable networks of the future in Australia through digitalisation, innovation and collaboration. The technologies and architecture used in the IoT Living Lab will enable utilities to understand the condition and performance of their assets and surrounding environments more accurately and in real



time. We are delighted to secure our first engagement with this very exciting innovation and look forward to replicating it in new territories across Australia, accelerating the digital transformation of the country's power grids."

NNNCo CEO Rob Zagarella said: "This is an exciting step for Horizon Power and the communities they serve. NNNCo is thrilled to add value to this partnership and help monitor the health of high voltage power lines in near real time, in remote areas that have some of the harshest climates in Australia, in addition to providing an infrastructure that can be utilised by other sectors in the region. The choice of NNNCo as a carrier and LoRaWAN as the shared, yet secure, IoT network consolidates that growing trend among utilities to focus on service assurance."

Ray Achemedei, Horizon Power's General Manager for Technology and Digital Transformation, said: "We'll combine real-time performance insights with historical trends while predictive algorithms will monitor asset health to identify anomalies, optimise maintenance schedules and create digital twins. Our crews will be able to receive alerts for early fault detection, and we will be able to dispatch them directly to the location. That means they won't be patrolling lines for up to six hours at a time."

Horizon Power, Enzen Australia and NNNCo will start rolling out the infrastructure across the East Kimberley region in July, with the IoT Living Lab expected to be transmitting data by September 2022.

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About Enzen

Enzen is a global, professional, knowledge enterprise that focuses on gaining, refining and sharing expertise in the energy and utility sector. It provides strategic advisory and execution of outcome-driven solutions to over 250+ leading businesses, governments, non-governmental organisations, and not-for-profits.

Enzen aspires to make energy and water accessible, affordable and sustainable for all through innovative models, technology and applications. We work with customers across the value chain to deliver sustainable and lasting improvements to their efficiency and performance, increasing their value to their customers and owners.

Our goal is to support large consumers of energy and water and improve the sustainability of resources by increasing efficiency and optimising existing operations. Besides this, we develop the commercially successful use of renewable resources to deliver a transformative advantage for our customers.



Enzen is unique in providing a wide range of strategic advisory, engineering services and solutions from end-to-end for the power, water, gas and renewable energy sectors, supported by our specialised and unique Centres of Excellence. It's this focus on sector expertise, experience, insights and learning that means we define our employees as 'knowledge practitioners'.

The business, founded in 2006, has grown to over 4,000 knowledge practitioners and developed across the globe. Enzen now has a presence in Australia, Africa, India, Portugal, Spain, Turkey, the UK and the US and is working on projects in more than 44 countries. Visit enzen.com.

About NNNCo

NNNCo is a leading Australian IoT Enterprise provider and LoRaWAN® network operator. The 100% Telco company provides the network layer and technology-agnostic data platform that makes IoT accessible across any industry to enable enterprise-grade solutions for business and government. NNNCo's Enterprise IoT service is deployed using LoRaWAN technology, the globally-adopted open standard for secure, carrier-grade IoT connectivity. For more information, visit www.nnnco.com.au