enzen

achieve | connectivity

Creating the digital water ecosystems of the future

In collaboration with

NNN NATIONAL NARROWBAND NETWORK Co.

enzen

Your assured digital connectivity partner

Water is an ever-scarcer resource and consumers around the world are expecting greater conservation and higher quality.

Combine this with population growth, endemic leakage, the drive for decarbonisation and rigorous regulation, water companies need to invest in smart infrastructure that's safe, sustainable and delivers maximum performance at minimum cost.

To accelerate the digital transformation of water utilities, we've created a unique, end-to-end IoT-driven solution which allows networks to reap the operational and commercial benefits of a secure, scalable and agile digital ecosystem.

Through global open standard telecommunications, we guarantee connectivity to every water meter, sensor and device in your network.
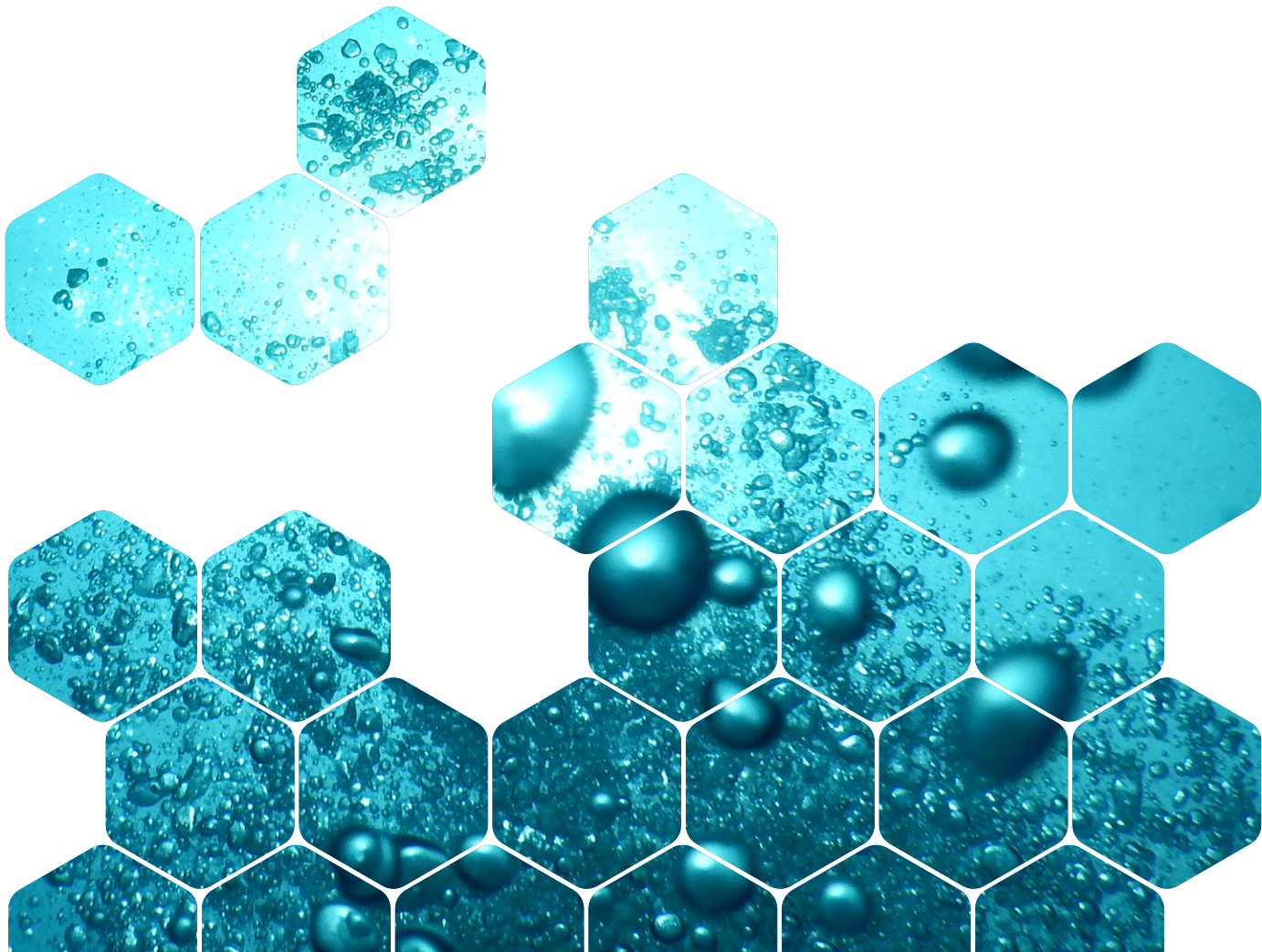
Transforming your network's performance

Combining our deep domain knowledge of utilities with best practice LoRaWAN® technology, our solution provides high quality, affordable connectivity that enables:

- greater accuracy in smart meter readings and forecasting
- effective management of flow and pressure quality
- improved network resilience
- optimised asset lifecycles
- less water leakage
- lower costs and billing
- superior customer service.

As a carrier-grade LoRaWAN® licensee, we will integrate our connectivity solution with your existing water infrastructure, reducing the need for costly network investment.

A global open network standard, LoRaWAN® is a low-cost, low-risk and low-power networking option. It provides flexibility of deployment, a large ecosystem of device manufacturers and industry-leading security protocols to safeguard sensitive water utility data. LoRaWAN® also extends the operating life of sensors and smart meters, resulting in lower life cycle costs.

Delivering sustainable solutions at lower cost

As specialists in utility transformation, we envisage a world where digital water ecosystems can gather, understand and act upon experience and data like a person would, synthesising all this information with greater speed, accuracy and efficiency.

Through our collaboration, you can accelerate the digitalisation of your utility and achieve a smarter, safer and more sustainable infrastructure, preparing your organisation for the social, economic and technological challenges to come.

Examples of our successful projects include:

Best practice digital metering in Perth

Water scarcity is one of the most critical challenges facing communities in Western Australia.

As part of the largest pilot of its kind in the region, we're providing utility Water Corporation with affordable, high quality network connectivity for more than 5,000 smart meters at homes and businesses across Perth.

Through our telecommunications carrier license and commercial agreement with the region's electricity network, we have access to the utility's infrastructure across their service territory.

This means our network can be built close to Water Corporation's smart meters, without needing to access its assets, further reducing cost.

Smart water infrastructure in the City of Gold Coast

The City of Gold Coast in Queensland needed to reduce the number of leaks across its water networks and improve the visibility of water usage in the commercial and industrial sectors.

We built Australia's largest, most diverse LoRaWAN® network and provided 12,000 water logger devices for leak detection and improved customer service and billing.

The result is a fully-monitored and optimised water infrastructure capable of supporting 600,000 sensors and delivering real-time monitoring to the local authority.

The solution resulted in lower operational costs, early problem detection and reduced pressure issues with water supplies. Commercial and industrial customers receive real-time access to water usage data and can identify water leaks much quicker.

Intelligent water networks in Newcastle

The local authority for Newcastle in Australia required an innovative solution to detect water leaks and have early visibility of reductions in water pressure so the city's utilities could respond quickly.

We deployed LoRaWAN® sensors to monitor flow in the pipes, using our N-Sen multi-purpose device to provide connectivity to the network.

The solution provided real-time monitoring and visual and interactive communications for the customer. The outcome has been reduced cost, extended asset lifespan and improved customer service for the community, placing Newcastle at the forefront of Australian smart cities.

About Enzen

Enzen is a global knowledge enterprise specialising in water and energy.

Our mission is to make these two life essentials more affordable, accessible and sustainable to all by addressing the utilities industry's three core challenges of decarbonisation, decentralisation and digitalisation.

Enzen was founded in 2006, based in the UK and India. Since then, we've become an international success story with additional offices in Australia, Portugal, Spain and Turkey, from where we deliver positive outcomes for power, water, gas and renewables utilities across six continents.

Through our deep domain knowledge, we create innovative solutions that are truly end-to-end, encompassing strategy, transformation, operations, advisory and technology.

By combining visionary thinking and exceptional execution, Enzen unlocks value, delivers greater efficiencies and drives positive, long-term sustainable change across the industry.

www.enzen.com

About NNNCo

NNNCo is Australia's leading LoRaWAN® network carrier and a 100% IoT telco.

We provide a shared and scalable IoT network service and platform, using LoRaWAN® technology to enable enterprise-grade IoT solutions for businesses and government.

We deliver meaningful data from everyday things to create a sustainable world.

Our purpose is to accelerate the world's adoption of IoT by making it universally accessible and valuable to people, communities and business.

LoRaWAN®, the fastest growing Low Power Wide Area Networks technology, is proving to be the technology of choice for sustainable smart cities, smart agriculture, smart industry, smart logistics and more.

With a focus on reduced water and energy consumption, LoRaWAN® contributes to tackling environmental challenges and driving global change towards a more sustainable world.

www.nnnco.com.au

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