

## **Australian LoRaWAN™ Operator NNNCo announces smart city network roll-out with major Australian City Council**

***Sydney, Australia: April 24, 2018***

Australian LoRaWAN™ operator National Narrowband Network Co (NNNCo) has begun the roll-out of a smart city Low Power Wide Area Network (LPWAN) for Australia's second biggest regional city, Newcastle.

NNNCo was selected to deliver the network by Newcastle City Council in early 2018 following an extensive tender process. The company will install a carrier-grade Long Range Wide Area Network (LoRaWAN™) over the next six weeks to provide low cost, low-power connectivity that can support millions of wireless Internet of Things (IoT) devices.

The infrastructure will place Newcastle at the forefront of Australian smart cities and enable a wide range of smart city services and applications to improve liveability - and achieve new efficiencies – through smart parking, lighting, transport and waste management capabilities.

Newcastle Lord Mayor Nuatali Nelmes said the new digital infrastructure would confirm Newcastle as a smart city leader in Australia less than a year after Council adopted a smart city strategy.

"This is a very exciting high-tech development for the city," the Lord Mayor said.

"By investing in this infrastructure, we will provide a platform for community groups, education and research providers, industry, businesses and entrepreneurs to develop their own smart applications and ideas.

"Our smart city strategy is supporting a city-wide revitalisation and regional transformation by encouraging innovation and creativity across all sectors to promote economic growth and diversity."

Council's Smart City Coordinator Nathaniel Bavinton said NNNCo had been chosen to install the LoRaWAN™ based on a track record of deploying carrier-grade networks within infrastructure.

"A smart city needs a carrier-grade network that, as well as supporting community groups, is designed from the beginning for business-case driven IoT solutions that add value to the city and create a sustainable business model," Bavinton said.

"NNNCo has proven its ability to deliver through successful LoRaWAN™ deployments in Australia and we look forward to a close partnership with them."

NNNCo Founder & CEO Rob Zagarella said Newcastle's network would inform smart city development across Australia.

“Working with Newcastle will enable us to guide other cities to transform their services and infrastructure through carrier-grade LoRaWAN™ IoT networks and enable these networks to grow across the country,” Zagarella said.

“LoRaWAN™’s capabilities are extremely well suited to smart city requirements and the technology is already used in cities across Europe and the US, where it’s proven to be reliable, secure and affordable at scale. Being a global open standard technology also provides the capability to build an ecosystem over time rather than a silo solution.”

“NNNCo is excited about establishing the network in Newcastle and sees this as an important tipping point for smart city development in Australia,” Zagarella added.

NNNCo has previously announced the expansion of its network through partnerships with organisations in the energy, water and agriculture sectors.

Zagarella said, “As we expand these networks, we will realise our vision for a national narrowband network that will support countless smart applications for Australia into the future.”

NNNCo is a contributing member of the LoRa Alliance™, an open nonprofit association that has grown to more than 500 members since its inception in March 2015, becoming one of the largest and fastest-growing alliances in the technology sector. Its members closely collaborate and share experiences to promote the LoRaWAN protocol as the leading open global standard for secure, carrier-grade IoT LPWAN connectivity. With the technical flexibility to address a broad range of IoT applications, both static and mobile, and a certification program to guarantee interoperability, the LoRaWAN protocol has already been deployed by major mobile network operators globally and connectivity is available in over 100 countries, with continuing expansion ongoing.

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**About NNNCo**

NNNCo is an Australian company building a national narrowband network in Australia for IoT. NNNCo is taking the lead as Australia’s LoRaWAN™ operator, building and operating Australia’s Narrowband Network in addition to providing end-to-end scalable solutions over a shared network. The company has built key relationships to leverage existing utility, network and other assets to achieve large-scale roll-out and reduce capital costs. [www.nnnco.com.au](http://www.nnnco.com.au)

**About Newcastle City Council**

Newcastle is the second largest non-capital urban centre in Australia. The Newcastle Local Government Area (LGA) is home to 152,948 people and welcomes about 4.1 million visitors each year. The LGA is expected to continue to grow with an additional 32,000 people anticipated by 2036. The Council’s Smart City strategy is part of its plan for city-wide revitalisation and regional transformation for Newcastle and the Hunter.