13 November 2023

Media release

Outdoor fibre fast-tracks smart cities

- New research# predicts outdoor fibre connections will increase by almost 350 per cent in just seven years – making our cities smarter and more sustainable.

- Developers, governments, utilities, and transport industries are expected to increasingly rely on smart devices operated outside of buildings and powered by fibre connections.

- These connections enable IoT solutions such as smart traffic lights and smart poles; CCTV monitoring of highways, waterways, and coastlines; and sustainability## solutions in developments.

- Fibre provides the higher availability, bandwidth and resiliency needed for critical infrastructure##.

The power of **nbn** fibre can now reach well beyond the four walls of homes and offices to reshape our cities and transform our traffic management - with outdoor connections to increase three-fold by 2030.

Research undertaken by International Data Corporation (IDC) on behalf of **nbn** showed a revolution across industries as they adopt outdoor smart devices to drive innovation, sustainability and efficiency.

It's predicted that momentum will increase exponentially – with today's estimated 71,000 **nbn** outdoor connections expected to grow to more than 319,000 by the end of the decade.

nbn® Smart Places, **nbn**'s newest wholesale product, allows retail service providers and developers to tap into this opportunity through a miniature, ruggedised, reverse-powered network connection which delivers reliability, speed and security via **nbn** fibre###.

This innovative, industry leading IoT device will give developers a competitive edge and another reason to build with **nbn**.

nbn is accepting applications for Smart Places builds to non-premises locations in eligible areas and new developments. Find out more here:

For Developers interested in **nbn**® Smart Places

For Government and Business Customers interested in **nbn**® Smart Places

Head of nbn® New Developments Andrew Walsh, said,

"This is a gamechanger for governments, developers, utilities and transport industries – it gives them the power of fibre just about anywhere.

"We trialled **nbn**® Smart Places right across the country in dozens of locations and it's been so successful it's now available throughout Australia. ####

"The device is only small, but its impact is massive – it can provide the connectivity to monitor and control traffic light signals, - digital billboards, provide Wi-Fi in public places, and provide real-time high-definition CCTV coverage.

"A great example of a development harnessing **nbn**® Smart Places to deliver a sustainable## and innovative community is the Brabham Estate in the heart of Perth which was one of the first places to trial the technology.

"Smart communities developer Peet used **nbn**® Smart Places to deliver, via retail providers, high performance Wi-Fi to the community park, allowing connectivity, smart benches with phone chargers, and a weather station which decides when to mow the lawns.

"We've only scratched the surface of its potential applications – and the emergence of AI as the next big thing in tech will generate many more ways for **nbn**® Smart Places to connect smart cities and towns across Australia.

"People want to be able to spend time outdoors while still enjoying the benefits of smart devices, applications and solutions.

"As we see a rapid increase in the planning and development of smart communities, towns, suburbs, precincts, and buildings, we know communities and businesses are seeking the best connectivity.

"A smart place (or smart cities as they're often known) integrates technology into the surrounding built or natural environment to increase liveability, sustainability and productivity for residents and businesses."

Notes to the Editor:

[Brabham Estate nbn Smart Places video](#)

IDC Spotlight Paper, commissioned by **nbn** – *Fibre Based Non-Premises Connectivity Allows Success in High Bandwidth IOT Use Cases*

An active example is that nbn has an active connection at Peet Estate. The local weather machine is connected to smart places and captures local data to provide residents smart irrigation controller which automatically adjusts their water usage based on data from local weather stations, for improved water savings. Other examples in developments include power saving and rubbish removal The SFP itself is also low powered, and powered by the customer premise equipment using significantly less energy than a traditional nbn NTD.

Your experience, including the speeds actually achieved over the nbn network, depends on the nbn access technology and configuration over which services are delivered to your premises, whether you are using the internet during the busy period, and some factors outside of nbn's control (like your equipment quality, software, chosen broadband plan or how your provider designs its network)

nbn is accepting applications for builds to non-premises locations in our existing nbn Ready For Services (RFS) footprint and new developments. Service connectivity availability will depend on Internet providers offering nbn Smart Places, and timing of product availability will be at provider discretion. Previously connected Smart Places locations and new developments with pre-built Smart Places infrastructure will not require a nbn network build.

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