



# PLACE FUTURES NOTE

SHARED INFRASTRUCTURE



# THE SHARED INFRASTRUCTURE OPPORTUNITY

## What and Why?

Shared infrastructure refers to a type of infrastructure that is owned and managed by a single entity, but is made available for use by others.

Examples of shared infrastructure include public utilities such as water management systems, transportation infrastructure such as bridges, and digital connectivity like 5G mmWave antenna deployment.

Shared infrastructure can be delivered as a way to provide access to resources and services that would be typically too expensive for individual entities to provide on their own.

Shared infrastructure can be funded through tariffs, user fees or the like, providing opportunities for more collaborative and shared procurement and funding models. As such, shared infrastructure becomes a key tool in helping facilitate economic development activity and public services.

A key benefit of shared infrastructure is that it creates economies of scale, reduces duplication of effort, maximises the efficient use of resources and can offer greater benefit for more stakeholders. It also benefits the public realm by reducing infrastructure clutter.

# USE CASE:

## Public Place Infrastructure



HUB is one of Australia's leading shared infrastructure providers in the public realm - designing, investing and deploying multi-function poles that support digital connectivity, place activation and the measurement of urban life in public places and spaces.

The SMART.NODE™ acts as neutral host infrastructure that can be used by multiple parties for hosting varying digital services, such as:

- 5G mmWave antenna
- digital wayfinding and advertising
- electric vehicle charging
- movement and place sensors
- smart parking technology
- CCTV

These digital services can be delivered via an infrastructure-as-a-service model, and/or funded from shared revenue generated from third parties leasing space in the multifunction pole, such as mobile network operators deploying 5G mmWave antennae in the SMART.NODE™.



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