Photo credit: Royal Botanic Garden Sydney

Enhancing our public spaces with ENE.HUB smart poles providing free Wi-Fi, smart city services and data activation

Why smart poles at Yarra?

Integrating ENE.HUB smart poles across Yarra, supports council's vision to become a leading smart city and digital economy. This smart infrastructure activates technologies at the street level, enabling data collection and the potential for innovation. It also allows people to connect in more places to access digital services, products and information.

ENE.HUB smart poles are designed to preserve the appeal of public spaces, by discretely housing all sensors, devices and smart technologies inside the module to reduce streetscape clutter. They are also a future-proofed solution. Their advanced power, fibre and communications capability makes them ready to accommodate future services, data sensors and telecoms equipment.

Our approach

We have partnered with ENE.HUB to install three smart poles within Yarra. ENE.HUB are an award-winning smart city enabler delivering leading smart services to improve the experience and amenity of public spaces.

This partnership provides Yarra with:
- World leading smart city infrastructure
- The potential to activate 44 smart city functions
- Access to an advanced data and analytics platform

Yarra's initial use of the smart poles includes:
- Provision of free public WiFi
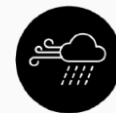- Environmental monitoring of wind and rain

- Temperature, humidity and air pressure measurement
- Air quality monitoring of airborne pollutants, pollen, particle dust and CO_2 emissions
- Vehicle, pedestrian and bicycle movement counting
- Energy efficient and cost-effective LED lighting
- Data management to visualise and analyse information

The smart city services activated by the smart poles will have an immediate benefit to multiple business areas and wider council priorities. The poles are also designed to evolve with our growing city needs and can be customised with new services and functions any time.

Project snapshot

WiFi Network.
Free public internet access and connectivity

Climate Sensors.
Collect data on a range of local climate variables

LED Lighting.
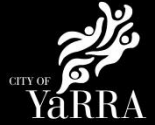Sustainable efficient street lighting

Air Quality Sensors.
Monitor air quality and particulate matter

Movement Sensors.
Collect cyclist, vehicle, and pedestrian counts

Data Management.
Control, interact and analyse gathered data

Connect with us

Please contact us to learn more about this project and others like it. We look forward to connecting with you as we progress Yarra Council's Smart City Approach.

Megan Turnley
Strategy and Transformation Lead
Yarra CityLab

M 0438 790 396
E info@yarracity.vic.gov.au

Yarra City Council
PO Box 168
Richmond
VIC 3121
T 9205 5555
info@yarracity.vic.gov.au
yarracity.vic.gov.au

Interpreter Services
(03) 9280 1940

National Relay Service
TTY 133 677 then
(03) 9205 5555

This is a smart partnership project involving

• Advocacy and Engagement
• City Works
• ENE.HUB (external partner)
• Infrastructure, Traffic and Civil Engineering
• Risk and Safety
• Urban Design
• Yarra CityLab