



*Empowering, by creating
better connections*

Smart City Asset Deployment ENE.HUB



Quality
ISO 9001



Environment
ISO 14001



Health & Safety
AS/NZS 4801



OHS
ISO 45001



Smart City Asset Deployment

ENE.HUB

ENE.HUB is a fully integrated Smart City Infrastructure provider with operations in Australia and the USA. In 2021, UCG signed a 9 (+3) year contract with ENE.HUB to be their exclusive design and construct partner for all ENE.HUB projects across Australia.

Sydney Royal Botanic Gardens

In 2017, The Royal Botanic Garden & Domain Trust contracted ENE.HUB to supply and install a fibre optic network throughout and to install 40 SMART.NODEs™ to provide smart city services including Smart Lighting, 4G/5G connectivity, public Wi-Fi, help points and many more. ENE.HUB engaged UCG to design, supply and construct the intra-site optical fibre network by using existing third-party pits and ducts, and by constructing new assets.

The scope of work with the Royal Botanic Gardens included the design, supply and installation of a 144-core fibre backbone network with several 24-fibre spurs, 6 fibre drops and 18 fibre joints. In total, 21 kilometres of fibre cable and 40 SMART.NODEs™ were installed within a heritage and environmentally controlled environment. UCG's bespoke design team and technical staff were successfully able to minimise expenses through collaboration with ENE.HUB.

To mitigate the major concerns regarding soil contamination, several limitations were placed on equipment allowed onto the grounds, and many activities had to be performed by hand and after hours. This included the use of hand drawn carts and manual hauling.

Geelong Foreshore, City of Greater Geelong

In 2019, UCG was awarded the network design, installation and connection of 8 SMART.NODEs™ along the Geelong foreshore. This project fell under the City of Greater Geelong's smart city strategic framework and was a result of the council's success in the first round of the Federal Government's Smart Cities and Suburbs Program. Geelong partnered with ENE.HUB to deliver this Smart City infrastructure foreshore installation.

Petrie Mill Precinct, Moreton Bay Regional Council

In 2019, UCG was awarded the fibre design, installation and connection of 52 SMART.NODEs™ and 66 LITE.NODEs™ for the Petrie Mill USC University Campus development. This project fell under the Moreton Bay Regional Council and will offer world-class opportunities for 10,000 university students from 2020. Upon completion in 2020, the project will provide the University of Sunshine Coast campus with the following benefits:

- ENE.HUB LED street lighting
- Public announcement system
- Smart Help assist button
- Electric vehicle charging
- Environmental noise sensor
- 1 x visual display screen
- Public Wi-Fi.

