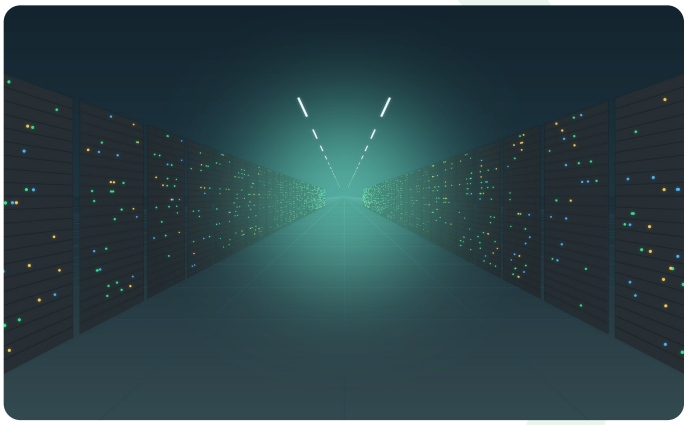
PROJECT SUMMARY

SYD12 - HV Supply

CLIENT: DIGITAL REALTY | **PROJECT VALUE: $140,360** | **ENGAGEMENT PERIOD: DEC 2024 – ONGOING**

PROJECT OVERVIEW

Croí was engaged by Digital Realty to deliver the Ausgrid ASP3 design for the Stage 1 load connection (approx. 20 MW) of the new 72.5 MW SYD12 data centre at 23 Waterloo Road, Macquarie Park. The design provides twin 11 kV feeders from Top Ryde and Lane Cove zone substations (approx. 6 km each), enabling staged supply ahead of Ausgrid's planned Wallumatta STS.



Utilities Strategy & Design • ASP3 Electrical Design

Croí's Role

Croí personnel were involved in:

- ASP3 design and advice from our Electrical Subject Matter Experts (Ausgrid)
- Ausgrid connection application (approx. 20 MW)
- HV feeder and earthing design
- Temporary and permanent power strategy
- Negotiations with Ausgrid and power staging
- Environmental, Safety in Design and authority notifications

Key Achievements

- Mobilised specialist ASP3 and ex-Ausgrid expertise for a major new data centre
- Staged supply strategy enabling an initial approx. 20 MW connection ahead of Ausgrid's Wallumatta STS (expected 2029)
- Scope expanded from initial advice to full connection, temporary / permanent power and power staging support
- Full ASP3 package from application through to certified design for tender and construction
- Represented the client in negotiations with Ausgrid
- Established Croí as a specialist ASP3 / Ausgrid advisor to Digital Reality's critical infrastructure team

Key Interfaces

- Digital Realty - Client
- Area3 (BGIS) - Project Manager
- Ausgrid - Network Operator
- Council and TfNSW - Notifications

Key Outcomes

- Clear pathway for Ausgrid connection, temporary and permanent supply to SYD12
- Power staging aligned to the 72.5 MW ultimate load
- Reduced utility risk and programme uncertainty