

PROJECT SUMMARY

Digital Realty

CLIENT : Digital Realty

ENGAGEMENT PERIOD : AUG 2024 - PRESENT

PROJECT OVERVIEW

Digital Realty operates more than 300 data centres across over 25 countries, providing secure, high-capacity infrastructure for storing and running IT workloads. One of these facilities, SYD11, is located in Erskine Park, NSW, and offers over 3,300 m² of customer space. As part of a capacity expansion at the site, both SYD11 and the nearby SYD14 required an upgrade in electrical load capacity. This increase necessitated the installation of additional feeders, supplied by the local energy provider, Endeavour Energy.



Involvement

- Croi was engaged by Digital Realty to manage the ASP3 design for the additional feeder supply from Endeavour Energy.
- The scope involved designing the installation of dual-cable feeders from Endeavour Energy's Mamre Zone Substation to Digital Realty SYD11, along with a separate dual-cable feeder supply to SYD14.
 - Initial application
 - Develop Proposed Method of Supply
 - Cable de-rating assessment
 - Develop certified design
- Manage relationships/engagement between Digital Realty and Endeavour Energy
- Provide utilities specialist advice on connection requirements
- Provide subject matter expert input to designs, constructability, load growth and construction phase services.

Key Achievements

- Deliver on the certified design prior to deadline set by the client.
- Maintain strong relationships with Utility providers allowing for escalation and resolution of issues which could impact design program.

Key Benefits

- Utility subject matter experts provided key guidance on procedures for working with Endeavour Energy.
- Reduced impact to program by delivering utility designs on time.
- Single point of contact for utility providers and site teams allowing for smooth discussions and resolution if issues.
- Provide procurement advice for ASP1 tenders.

Key Interfaces

- Endeavour Energy
- Local Councils