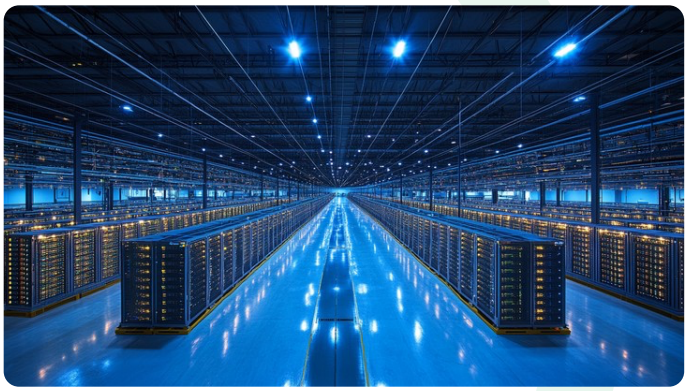
PROJECT SUMMARY

SYD14 Data Centre - ASP3 HV Design

CLIENT: DIGITAL REALTY **ENGAGEMENT PERIOD: 2024 - ONGOING**

PROJECT OVERVIEW

Croí was engaged by Digital Realty to design the HV supply upgrade for its SYD14 Data Centre at 16 Lockwood Road, Erskine Park. Croí worked with Endeavour Energy to define the connection methodology and delivered a certified Level 3 (ASP3) design for a new twin-cabled feeder (MM1212 Digital Realty No. 6 to SS-55394), then was retained to support through construction of the ASP Level 1 works.



Utilities Strategy & Design • ASP3 Electrical Design

Croí's Role

Croí personnel were involved in:

- Connection options with Endeavour Energy
- HV twin feeder design (MM1212 to SS-55394)
- Staged design to ASP3 certification
- Safety in Design and environmental reporting
- Council, owner and TfNSW notifications
- Coordination and pre-construction meetings
- Construction support: RFIs and site inspections

Key Interfaces

- Digital Realty (Design & Construction)
- Area 3 (construction manager)
- Endeavour Energy
- Penrith City Council
- Transport for NSW and adjacent property owners

Key Achievements

- Defined the supply upgrade path with Endeavour Energy from the initial supply offer
- Delivered the design through preliminary, final and certified stages
- Design validated through Croí's verification and constructability QA before certification
- Retained by Digital Realty for a second engagement supporting Area 3 through construction
- Common SS-55394 interface managed across the SYD11 and SYD14 feeder designs

Key Outcomes

- Certified Level 3 design for twin-cabled HV feeder MM1212 to SS-55394
- Upgraded HV supply to support SYD14 data centre load
- Endeavour-compliant package incl. Safety in Design and environmental reporting
- Responsive technical support keeping ASP Level 1 construction moving