PROJECT SUMMARY

SYD11 Data Centre - ASP3 HV Designs

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

PROJECT OVERVIEW

Croí was engaged by Digital Realty to deliver the HV utility upgrade for its SYD11 Data Centre at Templar Road, Erskine Park. Croí completed the Endeavour Energy twin-feeder design as a certified Level 3 (ASP3) design, then was retained to support Area 3 through construction of the ASP Level 1 works.



Utilities Strategy & Design • ASP3 Electrical Design

Croí's Role

Croí personnel were involved in:

- Design certification
- Site due diligence and photo record
- Cable pulling and de-rating calculations
- HV twin feeder design to ASP3 certification
- Safety in Design and environmental reporting
- Council, owner and TfNSW notifications
- Construction support: RFIs and site inspections

Key Interfaces

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

Key Achievements

- Certified ASP3 Endeavour Energy design ahead of programme.
- Confirmed joint locations and feeder ratings through cable pulling and de-rating calculations
- 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 MM1142 to SS-55394
- Upgraded HV supply to support SYD11 data centre load
- Endeavour-compliant package incl. Safety in Design and environmental reporting
- Responsive technical support keeping ASP Level 1 construction moving