

UDCS Consulting Project Summary

THE COMPANY

UDCS Consulting provides

- survey and
- engineering consultancy

services to the

- electricity
- infrastructure
- mining
- commercial sectors

The primary works being undertaken are in reticulation, distribution and transmission of power, water and gas.

Our Clients

Domestic and foreign Utilities

Major construction companies

Government & Private asset owners.

Services Offered

Engineering Survey

Electrical Distribution Design

Sub-transmission OH Design

Sub-transmission UG Design

Substation Design

Preparation of environmental reviews

Developer initiated Design

Solar Power and Lighting Design

Road Lighting Design

HV Auditing (QLD ESO)

Contact Details

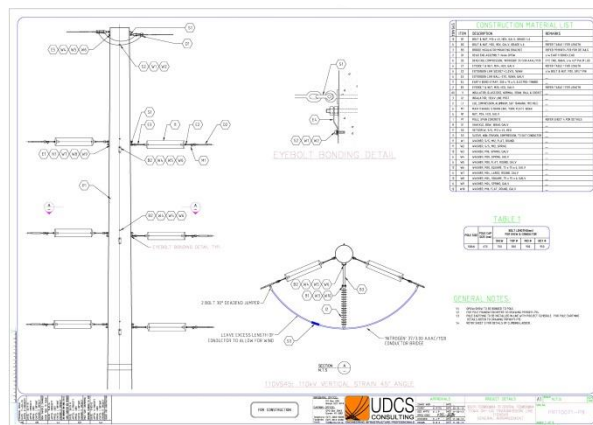
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Toowoomba 110kV Overhead & Underground transmission Line



Project Achievements

- Delivery of project without a defined scope
- Negotiations with numerous other public and private bodies.
- Design contained within restrictive Urban parameters and council requirements
- Project delivery within tight timeframes and changing scope
- Interfacing with multiple design teams and constructors to deliver a fit for purpose design.
- Full route survey, geotechnical investigations and soil resistivity testing.

Project Scope

Ergon engaged UDCS to undertake the design of the proposed 110kV transmission line from Ergon's Toowoomba CETO (Central Toowoomba Substation) in Victoria Street to SETO (Southern Toowoomba Substation) in Alderley Street.

The project involved the design of 95MVA-rated:

- 1.4km of double circuit 110kV overhead line
- 1.5km of double circuit 110kV underground cable
- DTS – UG Temperature Sensing
- OPGW – Twin OH Optical Fiber

Key Personal

Senior Engineer:

Kerry Prickett

Project Manager:

Craig Bryant

Designers:

Richard Smedley

Steve Cunningham

Steve Edwards

Monty Schloss

Survey:

Tim Smyth



UDCS Consulting

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