

UDCS Consulting Project Summary

Beenleigh Sub-transmission Upgrade

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)

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Project Achievements

- Development of more cost effective 33kV double circuit overhead constructions by Kerry Prickett
- The development and use of a safety net to be used over traction mains. Thus allowing for a significant reduction in cost. Developed by Kerry Prickett & Brian Wall.
- The use of substation live line procedures to upgrade the 110kV bus at Beenleigh Substation. Many thanks to Powerlink for supplying the technical expertise and manpower.
- Project successfully delivered on time and to the requirements of Energen.

Project Scope

Energen engaged a number of consultants to provide design and project management services for works associated with various sub-projects which formed part of the Beenleigh Sub-transmission Network Upgrade in South Eastern Queensland Australia.

The project involved the design and construction of:

- 8.5km of double circuit 33kV overhead line
- 2.0km of single circuit 33kV underground cable
- Rebuild of 8.5km of double circuit 110kV overhead line
- Upgrade of Beenleigh substation 110kV strung bus.

Key Personal

Design Engineers:	Lui Palmieri Kerry Prickett
Design Officers:	Merv Roseler Col Cattle Chris Davison Andrew Wiklund
Construction Engineer:	Kerry Prickett
Construction Supervisors:	Guy Broadbent Brian Wall Greg Dwyer