

# 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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## Fraser Coast Solar Farm Corrective Works



### Project Scope

The specification phase of the Fraser Coast Solar Farm was undertaken by Ingenero, a well respected solar company with a track record for delivery of alternative energy projects. However, on this occasion they failed to engage a specialist high voltage engineering company to produce the detailed design specification documents.

Following the completion of construction against the flawed specification which had been prepared for the project and subsequent failure of the state mandated HV Audit.

### Key Personal

Client:	Cardno ITC
Client Contact:	Paul Doig
Consulting Engineers:	Kerry Prickett
	Stephen Edwards
	Monty Schloss

### Our Involvement

UDCS Consulting was engaged by Cardno ITC to provide:

- Technical advice
- Offer a way forward
- Write an engineering report to address short comings in the design
- Produce detailed designs suitable to facilitate corrections to site facilities
- Negotiate with Ergon Energy

We undertook the re-design of the site which included the production of an engineering report outlining the system design, fault studies, protection studies and earth grid design and simulation.

Resolution was reached between all parties and the situation resolved with a minimum of change to the site.

### Project Achievements

- The project was delivered in line with client expectations of cost within a very tight time frame.
- The project cost and time over runs were minimized.

UDCS Consulting

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