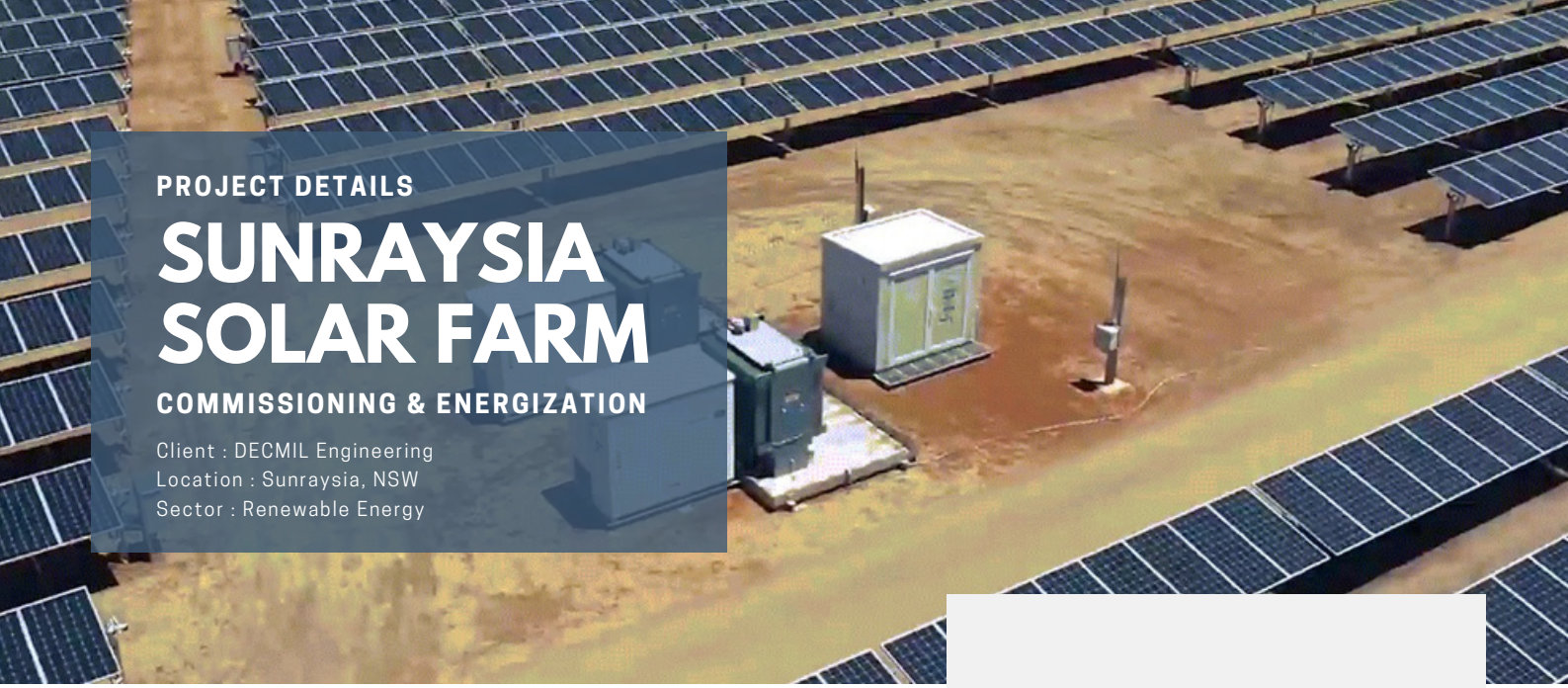

PROJECT DETAILS

SUNRAYSIA SOLAR FARM

COMMISSIONING & ENERGIZATION

Client : DECMIL Engineering
Location : Sunraysia, NSW
Sector : Renewable Energy

BACKGROUND

The 230MW Sunraysia Solar Farm is one of the largest Solar Farms in Australia to date. Over 1 million solar panels feed into 104 Power Conversation Units (PCUs), interconnected via 52 Ring Main Units feed 2 x 33kV collector substations before feeding into the 220kV, 250MVA Power Transformer at Balranald substation.

SERVICES

Integral Power was engaged by Decmil Engineering to provide High Voltage Testing and Commissioning of the entire AC network assets including:

- Construction Validation, Detailed Functional and Wiring Checks
- Primary Testing & Commissioning of 2 x 33kV High Voltage Switchboards
- Primary & Secondary Injection Testing of the Solar Farm Protection Schemes
- Step and Touch Potential Validation at the 33kV and 220kV Substation Earth Grids
- Site Acceptance Testing of 104 x 2.2MVA, 0.6/33kV Power Transformers
- SCADA Integration Testing in conjunction with TransGrid
- High Voltage Switching and Back Energisation Services

AT A GLANCE

Delivered

- Testing & Commissioning
- SCADA System Integration
- Grid Connction
- SolarFarm Energization

Benefits

- On tIme completion
- Within allocated budget
- Flawless Safty record
- Ongoing maintenance support

" Integral Power were very professional and thorough in their approach at Sunraysia Solar farm. Throughout the course of their engagement, they maintained their focus on Safety with attention to detail "

Phil Warwick
DECMIL Engineering

INTEGRAL POWER