

# Susan River Solar Farm Substation

Design, Construct and Transfer a 66kV/33 kV 74 MVA solar farm substation in nine months.

CASE STUDY

## Customer

Biosar is an international renewable energy market company, specialising in constructing photovoltaic plants (solar farms) and connecting them to the grid.

## Objective

Biosar were looking to team with a delivery partner to support their expansion of renewable energy in Australia and asked Yurika to harness our experience in HV connection and construction to accelerate the delivery of the Susan River Solar Farm substation.

## Solution

Our key deliverable was to design, construct and transfer (DCT) a solar farm substation.

- 74 MW delivered capacity
- Design and construction of 66/33kV substation that could be transferred to the DNSP, Ergon Energy
- Installation of dead tank, 2000A circuit breaker 66kV
- 66kV air break switch
- Installation of 66/33kV 80MVA transformer
- Installation of 33kV auxiliary and voltage transformers
- Testing and commissioning 33kV control/ equipment building, including inverter stations.

## Outcomes

- Our design and construction teams incorporated utility-compliant specifications, equipment, and Australian manufactured transformers
- Delivered within the agreed timeframe and budget
- Successfully maintaining a 0% TRIFR rate
- Partnered with Biosar to deliver further renewable projects.

Getting this solar farm up and running to meet an accelerated delivery timeframe was a real community effort with local quarries, concrete suppliers, fuel suppliers and local labour significantly contributing to the successful completion of this project.



### Duration

9 Months

### \$ Value

\$25m approx

### Service

- PPA Smart Solar
- Embedded Network

### Location

- Robina
- Logan
- Toowoomba
- Townsville
- Melbourne

### Meet the Team



Rick Hill



Derek Haas



# Why choose us



## Our points of difference

Combined with our extensive skills and experience, we offer end-to-end, fit-for-purpose solutions that drive contemporary use of energy, improve connectivity and promote sustainable business outcomes.

### Safer outcomes

We're focussed on promoting safety for the betterment of businesses and our communities.

### National presence & delivery capability

Our teams are on hand and ready to help in offices across Australia including Brisbane, Townsville, Rockhampton, Cairns, Melbourne, Sydney and Hobart.

### Full turn-key solutions

Leveraging our 100+ years of heritage in energy, we have demonstrated experience in transmission and distribution projects, extending to energy and infrastructure solutions. Offering contemporary telecommunications, metering and enhanced digital capabilities, our suite of end-to-end offerings provide optimum value, hassle-free solutions for our customers. We're with you every step of the way.

### Quality

With a comprehensive list of certifications, licences and accreditations, we know what's required to get the job done.

### Sustainability

We're focussed on continuous and sustainable business development supporting businesses and communities to achieve net zero carbon emission outcomes.

### Recognised & trusted

Consistency is paramount as we build a trusted brand and a good reputation with customers.

### Collaborative ecosystem

We're a community who come together to discuss and agree best practice and fit for purpose outcomes for everyone.

## We are yurika.

We're leading the charge in Australian energy transformation — changing the way people live and work.

## Let's talk

[yurika.com.au](http://yurika.com.au)

1300 762 611

[hello@yurika.com.au](mailto:hello@yurika.com.au)



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