



## CASE STUDY

# SUSAN RIVER

## SOLAR FARM

### PROJECT SCOPE

THE SUSAN RIVER SOLAR FARM IS IN MARYBOROUGH, QUEENSLAND, APPROXIMATELY THREE HOURS NORTH OF BRISBANE, AND SPANS AN AREA OF MORE THAN 170 HECTARES.

Land Surveys was contracted to undertake a topographic survey of the site, along with producing aerial 'fly-through' videos, to give the client an overall view of the terrain they were dealing with. As the solar farm is leased off a private land owner, an identification survey of the lease areas was also completed.

Survey control was installed and established for construction, along with other ancillary work such as a detailed survey of the access track connecting the proposed solar farm to the busy Maryborough Susan River Road, with detailed survey information of the track-road intersection collated to enable early works to commence. Also, a detailed survey and cross-section of the power lines that cross through the site was added to the topographic survey.

Upon commencement of construction, Surveyors were required to set out internal roads, laydown areas, site facilities and more than 40,000 piles. As construction continued, electrical cable trenching and associated as-constructed works were carried out.

As the Susan River site had more undulation than other solar farm sites, numerous pads had to be modified by earthworks as the slope of the land did not allow the 180 metre long trackers to be constructed as per design in a straight grade. Land Surveys assisted with the setting out of these pads in conjunction with the earthworks subcontractor.

At the height of construction, Land Surveys supplied up to seven Surveyors to service this project.

### CLIENT

HELLIER MCFARLAND

### DURATION

6 months

### LOCATION

Maryborough, QLD