# CLARE SOLAR FARM

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| PROJECT NUMBER | 3106 |
| CLIENT NAME | Downer EDI Engineering Power Pty Ltd |
| END USER | Fotowatio Renewable Ventures |
| LOCATION | Clare, Queensland |
| INDUSTRY CATEGORY | Energy & Renewables |
| CONTRACT TYPE | Lump Sum |
| CONTRACT DETAILS | Design, Construct, Install, Commission |
| UPDATES | June 2017 - February 2018 |

## THE CHALLENGE

RJE Global was awarded a contract to deliver a fully operational 130MW Solar Power Plant in Clare, Northern Queensland.

There were 69000 ground mount piles which the fully trackable system and 390,000 Trina PV panels were constructed on.

The following equipment was installed; DC & AC cabling (trenching underground and cable ladder aboveground), including terminations. MV cable terminations and MV reticulation system testing. DC Isolator Boxes. IPC piercing connectors, connecting the DC Bus directly to the PV harness at every table. Installed, clipped and connected the PV harness cables. Communication cable RS485 and an AC supply cable for the operation of the tracker motors, which was connected to the local meteorological stations. Installed the back-bone fibre optic system back to the SCADA panel in the main O & M Building. Installation of Earthing and CCTV systems.

RJE

Smarter Engineering