CASE STUDY No 24

Project
Solar Power Systems for Pumping & Irrigation

Client
Sustainable Cropping & Fodder production

Overview:

With rapidly rising electrical and diesel power costs and growing demand for sustainable food production, Envirada offers a range of cost effective solar powered pumping & irrigation solutions through a combination of our specialist groups Electrical Systems Engineering in Western Australia and UPTON Agricultural Technology in New South Wales. We can provide full engineering design, management & installation services from water supply (surface or groundwater pumping) through to the Pivot or Lateral Move Irrigator. We also offer Hybrid systems with diesel standby, grid connection or on site battery storage solutions for 24/7 remote power and pumping.

Features:

- Stand-alone solar pumping system for centre pivot irrigator
- Engineering design & fabrication by Electrical Systems Engineering
- 40kW quick deploy – ground mounted solar array
- Daylight pumping only – or optional diesel backup, grid connection or battery storage.
- Zero Pumping (Running) Costs with minimal maintenance
- Designed for application with our Australian made UPTON Pivot & Linear irrigators

Outcomes:

Successful pumping projects in the Eastern and Western states as well as Northern Australia have demonstrated the commercial viability and environmental sustainability of the solar powered solutions.

Solar powered pumping and irrigation solutions supporting the drive toward sustainable agriculture production.

Contact us

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