



7300 Day Journey



Buying a Solar PV system is just the beginning. Making a good return on investment requires keeping it operating for the next 7,300 days, the duration of the 20 year FIT contract. Unfortunately, with hundreds of panels and complex electronics exposed to severe weather, things can and will go wrong with solar PV systems. A small investment in a SolarVu energy portal will ensure you get daily reports and timely alarm notification when problems occur. [SurePoint analyzer tools](#) enable O&M staff to quickly diagnose and repair faults as soon as they occur to minimize lost revenue.

Detect & Fix Problems with SolarVu

COMMISSIONING

- Incorrect comms settings in inverters and BOS devices
- Serial wiring errors by electrician
- Meter CT/PT wiring errors/settings
- Router network settings
- Weak 3G cellular reception
- Wrong/missing equipment data supplied

EQUIPMENT FAILURE

- Inverter failure
- Solar panels fail
- Corroded connections
- Loose connection = overheating, fire hazard
- BOS equipment failure weather sensors, meter, SCADA etc

GETTING PAID

- Utility payment below expected - meter fault/accounting
- LDC SCADA problem = shutdown by LDC
- RMA for warranty claim - support data

ENVIRONMENT

- Combiner box water ingress
- Rodent chews through panel wires
- Lightning damages equipment
- Grid issues cause shutdown - under/over voltage

COMMUNICATIONS

- Loss of internet connection
- Router/network configuration
- Customer changes router settings
- Router/network failure
- 3G SIM card disconnected non-payment
- Weak reception in rural areas
- Equipment connection
- Faulty connection
- Incorrect settings after replacement
- Noisy environment, data corruption
- Inverter design - firmware bugs



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