

IoT Solution for Solar Farm Operation and Maintenance

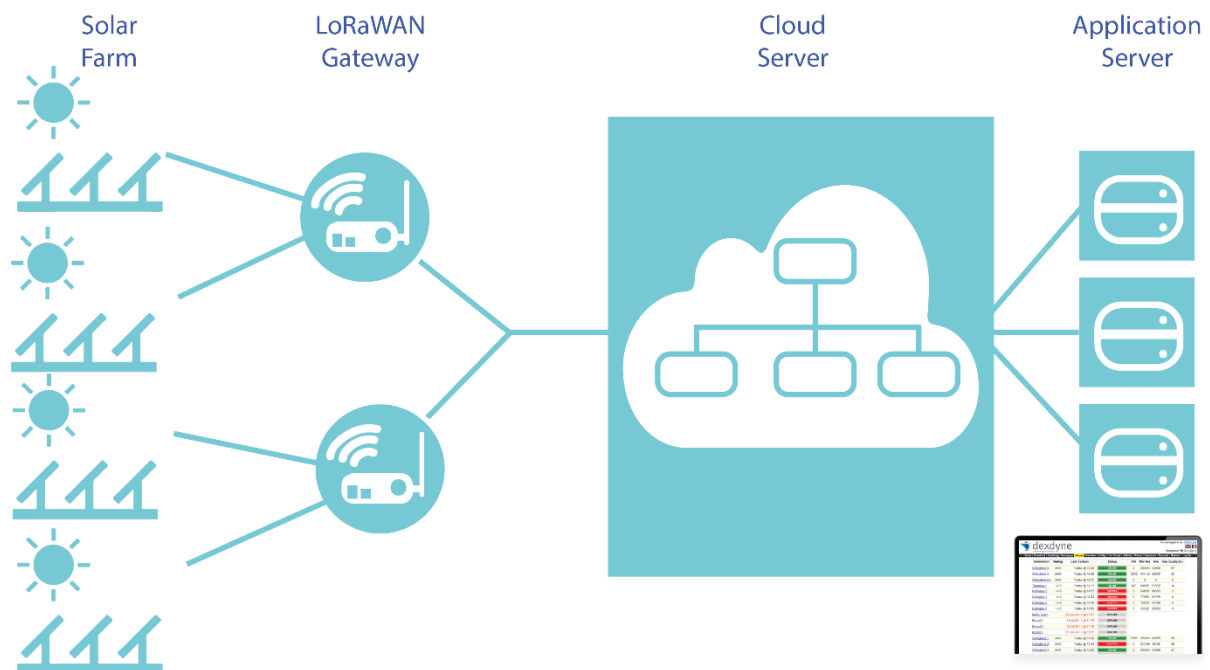
Solar energy plants can vary from small domestic installations to sites with megawatt outputs comprising thousands of solar panels. Ensuring that all panels are working at optimum output under given operating conditions can be a challenge for O&M personnel.

As a supplier of remote data logging and IoT services, Dexdyne provides a solution for detecting faulty or under-performing solar panels, using 'Smart' IoT sensors. Our system deploys the latest techniques in data analytics to improve your performance ratio (PR) and capacity utilization figures (CUF).

Continuous monitoring of solar plants at cluster or string level, coupled with the use of cloud-based data analytics, increase energy production, optimize maintenance costs and improve ROI.

Features and Benefits:

- Improves PR, CUF and ROI.
- Instantly detects and locates faulty or under-performing strings or clusters.
- Highlights location of faulty areas on the site grid mimic.
- Minimises duration of under-performance or down time.
- Optimises panel cleaning and service intervals to maximise performance.
- Sends SMS and email alerts.
- Real time monitoring of the installation 24/7.
- Provides consolidated site KPI reports at user-required intervals.



One System, Unlimited Possibilities ...

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