



ENERGY / RENEWABLES

THE UNIQUE CHALLENGES

As dependence on renewable energy increases, and solutions become more complex, the ability to harness data from renewable infrastructure for streamlined remote management is becoming a necessity.

Alternative energy infrastructure often involves acres of equipment often spread across hundreds of miles. Monitoring and managing all of this can no longer be accomplished effectively with on-site staff.

The data from all of this different equipment from inverters, panels, turbines, storage equipment, and other sources needs to be brought together to foster business intelligence remotely, allowing on-site truck roles to be a last resort. Remote triage and management has become the key to profitable alternative energy production.

THE RADIX IOT ALTERNATIVE ENERGY PLATFORM

- **Data From Everything:** Mango knows protocols and languages, allowing data and communications to equipment you already have, allowing for a single source of truth across a portfolio of equipment types, generations of hardware, manufacturers, and locations.
- **Remote Monitoring and Triage:** Mango includes a comprehensive prescriptive alarming and events engine, allowing users to create custom alarms and actions on the fly to handle real-time operational conditions and foster the ability to diagnose problems remotely.
- **Predictive Analytics:** Historical storage of all information in one consolidated dataset from everywhere allows Mango to analyze trends and provide insight into longterm trends and generate reports to enable predictive analysis.
- **All-in-one Solution:** Dealing with the complexity of different software is a thing of the past. Mango offers a comprehensive toolset to easily work within your existing workflow. Refined user management, dashboarding, reporting, and prescriptive analytics all in one easy-to-use mobile/web friendly location. Additionally, Mango offers a comprehensive RestAPI to connect to third party systems such as work order management, asset management, and third party custom applications.

TYPICAL ARCHITECTURE

