Improve Plant Yield 2 – 4% + O&M Efficiency 15%
Built right into an Asset Management Platform

You need to monitor your fast-growing portfolio in 1-Place, with 1-Source of Truth.

Quadrical provides value by...

Improving performance + O&M efficiency for your renewable assets - built into an Asset Management & Monitoring Platform.

Centralize – Clean, organize, systematize, & train data so it is useful.

Monitor – Anomalies, outages 24/7, Prescriptive + Preventing + Predictive maintenance.

Analytics – Digital Twin AI + Statistics + Rules Engine for predictive analytics, Easy "No-Code" additions too.

Ticket – Fully automated opening & closing. Shared with vendor O&M teams.

Report – Fully automated, so assets almost report their own performance.

Run operations on Autopilot, so you can focus on all the new plants you're building.

Options:

Snap-On Advanced Analytics
Work with your basic CMMS (Monitoring) to give you advanced Actionable Intelligence to deliver dollar value by driving performance.

Remote Operations (ROC)
Forecasting

10X Return on Investment

How do we do it?

Digital Twins. We first build a detailed, personalized digital replica of your plant. Then we add the yield expectation of each and every instrumented device to give you the most accurate estimate of your generation capacity.

Next, data based Performance Digital Twins identify and quantify shading, soiling, insulation, long term degradation and due diligence come in. This moves you from reactive to proactive management. Along with outages our AI and Rules based engine see early warnings, signals, automatically issuing revenue-prioritized tickets. Adding those to O&M moves you from just preventative maintenance to proactive maintenance.

With Automated built-in RealTime Prescriptive, Preventative & Predictive Tickets. Prioritized by revenue, operations become fully automated, leaving only maintenance for your O&M team.

Now, your performance management teams can go as deep as they want into analytics, but, they don't have to, as our system does that...automatically. This is what Actionable Intelligence built into a Monitoring Platform looks like. With automated dashboards for everyone at your company, your teams will be able to look at portfolio views down to every plant and every node.

The 1-Platform for Site Teams, Operations, Performance Teams, Outsourced O&M, C-Level Teams + Investors.

Sharat Singh (Engineering, Data) & Dr. Hugh Hind (AI) bring learnings from long technology careers building enterprise grade, trusted, secure products. Combining deep math + data + prediction & anomaly detection AI helped us build the first Digital Twins for the solar industry.

Give us 2 Hours of time.

Plant Audit

In 48 hours, we provide Transparency with Actionable Results. No risk, no disturbance to your current systems.

Solar
You get:
Performance check showing historical + current losses in buckets by DC, Inverter & AC
- Issue identification. Trend Analysis
- Revenue Prioritized Actionables

" Quadrical Ai's Digital Twin approach was instrumental in setting realistic expectations and then pinpointing areas of under performance that focused our teams' efforts. "
James Abraham
Founder and Director, SolarArise

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