



ARSOS

Automation Suite

Asset Manager Use Case



Data Reliability and Operational Efficiency with ARSOS Automation Suite

Context: Growing Portfolios, Shrinking Margins

Paramount Asset Management is a global asset management company headquartered in Germany, with a diversified renewable portfolio totaling 800 MW – composed of 70% wind, 20% solar, and 10% hybrid assets (wind + storage and solar + storage).

The company operates across multiple European markets where price cannibalization in renewables is reducing margins and increasing operational pressure.

As assets age and OEM support becomes costly to maintain, Paramount began using third-party SCADA maintenance providers, which introduced data communication issues and reliability gaps. These disruptions resulted in lost operational data and time-consuming manual reporting.

To maintain profitability and scale efficiently, Paramount sought a solution that would:

- Improve data reliability across assets and systems.
- Enhance process standardization and reporting efficiency.
- Provide greater visibility and control over global operations.

Paramount needed a system that could unify all technologies, ensure stable communication, and automate the entire reporting process, from data collection to portfolio performance insights.

Operational Challenge: Disconnected Data and Slow Decision-Making

Paramount's operations team faced mounting challenges as its portfolio expanded:

- Unreliable SCADA connections and frequent data gaps across plants.
- Multiple OEM platforms and interfaces, each requiring custom access and interpretation.
- Manual reporting processes consuming weeks per quarter.
- Delayed access to accurate KPIs, impacting financial forecasting and asset optimization.

The lack of a unified system led to inefficiencies, data loss, and slow decision cycles.

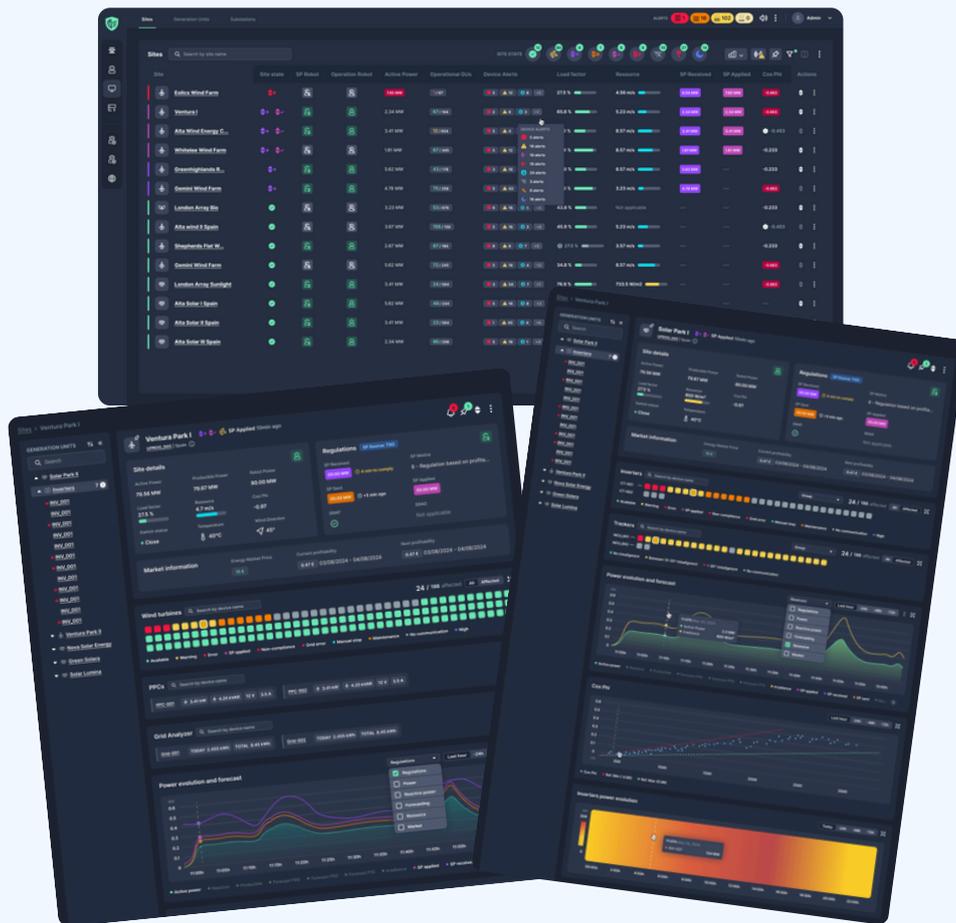
The Solution: Unified Data, Resilient Operations, and Automated Reporting

Paramount implemented ARSOS Automation Suite, integrating two core modules – ARSOS APM and ARSOS Compact SCADA – to establish a single, automated, and highly reliable operational backbone.

ARSOS APM

ARSOS APM empowers portfolio managers to take full control of their sites, seamlessly and at scale. It offers real-time operational monitoring and provides performance reporting, covering both energy and economic performance metrics.

Reports are automatically generated and standardized, and their distribution can be scheduled for automated delivery to stakeholders.



ARSOS Compact SCADA – Resilient On-Site Automation & Control

ARSOS can be connected to on-site systems—making automation and control resilient, even when connectivity fails.

It is generally installed on edge and acts as a local orchestrator across technologies, connecting PPCs and enabling seamless multi-technology coordination at the site level. It runs lightweight SCADA visualizations locally and executes automation protocols in real-time, reducing dependence on cloud or OEM SCADA systems. This allows to:

- Enable fault resets, curtailments, and setpoint dispatch even under cloud or VPN loss.
- Store and forward telemetry to maintain data continuity during communication outages.

Cybersecurity

The platform meets NIS2, ISO/IEC 27001, IEC 62443, and SOC 2 Type II certifications, and is compliant with NERC-Rules, providing enterprise-grade cybersecurity resilience.

It works on Cloud or it can be installed On Premises.

Projected Results

KPI	Before ARSOS	With ARSOS (Projected)
Average time to retrieve operational data per site	+ 5 h	<5 min
Average report preparation time	+ 4 h	<1 min
Average time to Insight	+ 1 day	Instantly
Average error reduction (%)	-	+90%
Opportunity Cost Loss Reduction (%)	.	-40%
Average Fault Detection time	+ 40 mins	<5 min

Conclusion: Turning Data into a Strategic Asset

With ARSOS Automation Suite, Paramount Asset Management transformed its asset management operations from reactive oversight to proactive control.

The company now benefits from:

- Reliable, gap-free data across all technologies and geographies.
- Resilient on-site automation ensuring continuous operation even during connectivity loss.
- Centralized visibility through a unified APM environment.
- Automated, standardized reporting, saving weeks of manual effort per quarter.

By ensuring data integrity and process efficiency, ARSOS enabled Paramount to operate with the agility of a digital asset manager — optimizing performance, cutting reporting costs, and enhancing the financial oversight that drives long-term portfolio value.

Disclaimer:

The figures and scenarios described are based on estimates from comparable ARSOS implementations. Actual results may vary depending on each organization's operational profile.

Request a demo to see how ARSOS can transform your operations.

**Want to see how
ARSOS can
transform your
operations?**

Let's Talk!