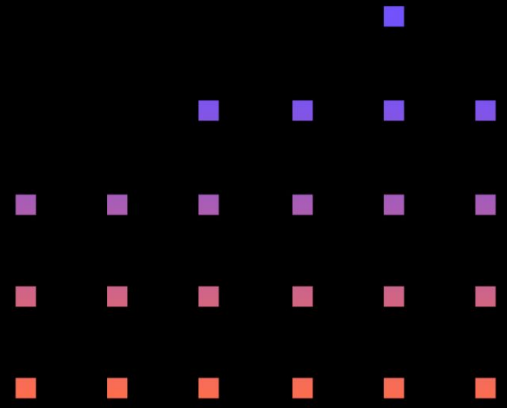


Data Quality Without Compromise for Energy



Trust Your Data for Reliable Energy Systems and Confident Decisions

Energy providers depend on trusted data to ensure grid reliability, accurate billing, and safe, efficient operations. Anomalo automatically detects data issues across metering, asset, and operational datasets, helping teams reduce risk, protect revenue, and operate with confidence as energy systems grow more complex.

When Data Fails, Risk Escalates

When energy data fails, it compromises grid reliability, regulatory compliance, and operational trust:

- **Grid Reliability Gaps:** Undetected anomalies in operational, SCADA, or telemetry data can lead to service disruptions.
- **Revenue Leakage:** Missing records or inconsistencies in metering and usage data directly impact billing accuracy and customer trust.
- **Asset Performance Risks:** Inconsistent sensor and maintenance data can lead to suboptimal preventive maintenance and reduced equipment lifespan.
- **Forecasting Errors:** Poor data quality in demand forecasting and load balancing models undermines the accuracy of AI-driven planning.

Trusted Data Builds Confidence and Reliability

High-quality data provides the foundation for reliable grid operations, enabling energy providers to act decisively and mitigate service risks:

- **Ensure Grid Stability:** Identify shifts and gaps in operational data before they impact service.
- **Protect Revenue:** Continuously validate metering and billing datasets to prevent financial loss.
- **Optimize Assets:** Ensure complete, consistent data across systems to extend the lifespan of critical infrastructure.
- **Advance AI Initiatives:** Support demand forecasting and predictive maintenance with reliable, high-quality data foundations.

Why Legacy Tools Fall Short

Legacy data tools fall into two groups:

1. Rules-based data checking
2. Metadata-only observability tools

Neither can keep up with the scale and complexity of modern energy data.

With hundreds of billions of operational data points flowing from sensors, meters, and control systems, data quality at energy scale leaves no room for error. Legacy tools miss the deep anomalies that directly impact safety, compliance, and revenue.

Energy providers are stuck in a **data quality doom loop**: writing rules, chasing alerts, discovering issues too late, then scrambling to write more rules.

Anomalo breaks the loop, helping energy operators shift from reactivity to resilience, and from data uncertainty to trust.

Comprehensive Energy Data Coverage

Monitor and validate core energy datasets, from metering and billing records to grid telemetry and SCADA logs, using unsupervised machine learning-based anomaly detection.

AIDA, Anomalo's Intelligent Data Analyst: Explore and explain your data using natural language. AIDA helps operators and analysts investigate anomalies, understand load patterns, and take action before issues escalate into grid instability or revenue loss.



The Automated Data Quality Platform for Energy

Anomalo combines unsupervised machine learning, data observability, and validation to deliver automated monitoring of operational and commercial data, so energy operators can act with confidence across monitoring, operations, and AI workflows.

Anomalo helps energy providers:



ENSURE GRID RELIABILITY
by continuously monitoring SCADA and telemetry data to detect shifts and anomalies early



PROTECT REVENUE
with consistent metering and billing data for to ensure accurate customer charging



IMPROVE ASSET PERFORMANCE
with consistent sensor data to optimize maintenance and increase uptime



STRENGTHEN FORECASTING
for load balancing and predictive maintenance models to ensure accuracy

Enterprise-Ready, Built for Energy Scale

Energy organizations generate some of the most complex, high-stakes data in the world. To help manage and trust that data at scale, Anomalo connects directly to cloud data platforms like Snowflake, Databricks, and BigQuery, monitoring structured and unstructured data across metering, grid operations, asset management, and regulatory compliance systems.

Designed for the demands of energy data:

- **Operate at Energy Scale:** AI-driven anomaly detection across hundreds of billions of operational data points from turbines, sensors, and control systems.
- **AI-native Monitoring:** Automatically learn normal patterns in metering and telemetry data to detect issues without manual rules, even as demand shifts.
- **Seamless Integration:** Native connections to Snowflake, Databricks, and BigQuery, plus workflow tools like Jira and ServiceNow for rapid remediation.
- **Proven Security:** Hosted SaaS or in-VPC deployment to support the strict security and reliability required by global energy operators.

Trusted by Leading Energy Providers

Global energy leaders rely on Anomalo to ensure their operational and commercial data is accurate, compliant, and ready for the energy transition.

“We were four years into our data quality initiative and had only a handful of rules set up; the project had essentially stalled. Implementation was slow, requiring months of back-and-forth between tech teams and the business. With Anomalo, our data stewards can take a hands-on approach, allowing the data office to step back from manual oversight.”

— *Data Management Specialist, Global Energy Supermajor*

Results that redefine scale: Anomalo transformed a stalled, multi-year manual data quality project into a rapid success, enabling a lean team to automate coverage across massive operational datasets without the “back-and-forth” of traditional rules-based coding.

Ready to break the doom loop? [Learn how Anomalo helps ensure data accuracy, compliance, and trust.](#)