



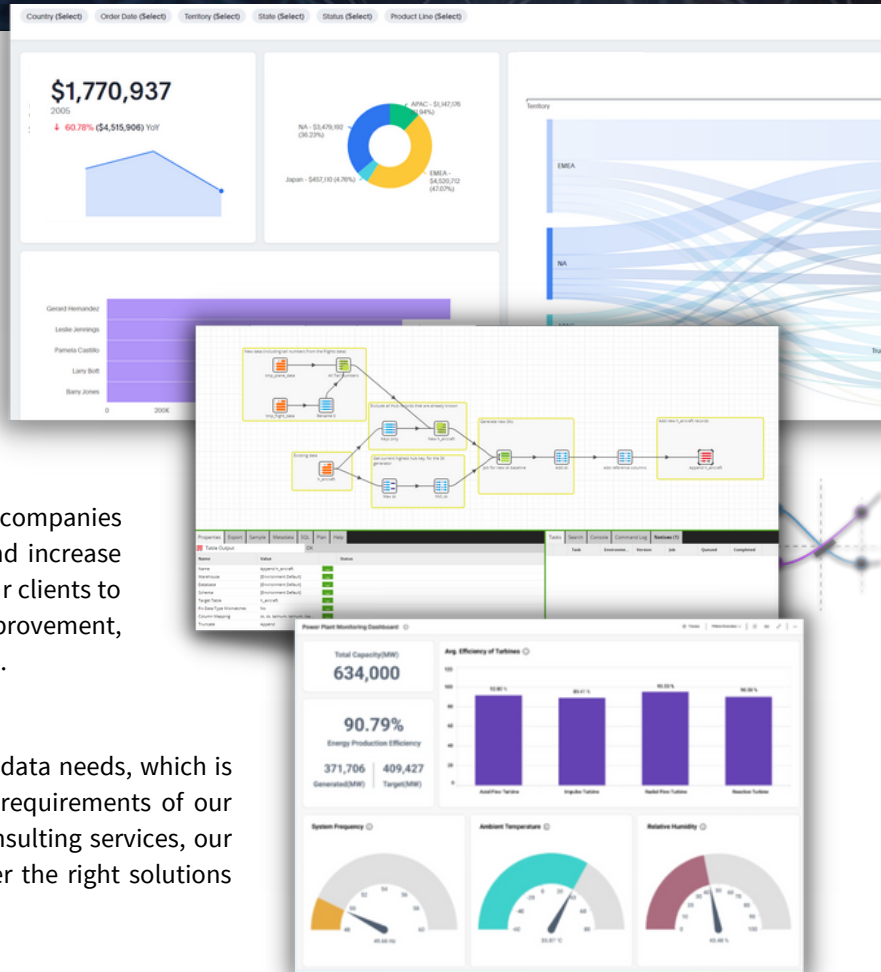
# Data-Driven Power Generation

## Data Enablement Services

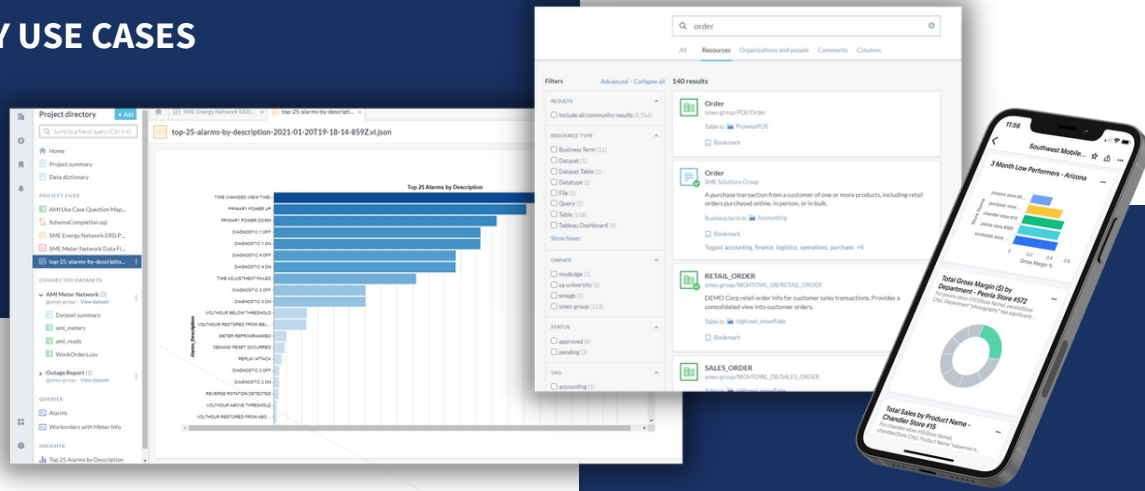
SME offers customized solutions to help companies collect, manage, and analyze data to improve their operations and performance. We provide data management tools, analytics software, and consulting services to help power generation companies make informed decisions based on real-time data.

Our data enablement services help power generation companies optimize their energy production, reduce downtime, and increase efficiency. By leveraging the power of data, we enable our clients to gain insights into their operations, identify areas for improvement, and make data-driven decisions that drive business value.

At SME, we understand that every company has unique data needs, which is why we offer tailored solutions that meet the specific requirements of our clients. Whether it's data management, analytics, or consulting services, our team of experts works closely with our clients to deliver the right solutions that drive results.



## KEY USE CASES



### SHUTDOWN PREVENTION

Advanced monitoring and automation improve reliability and performance, by predicting potential failures or downtime. It involves collecting, integrating, and analyzing data from various sources to identify patterns and anomalies and taking actions, such as adjusting operating conditions, to prevent faults or trips.

### PREDICTIVE MAINTENANCE

Analytics and machine learning algorithms monitor and predict the performance of assets such as turbines, generators, and other equipment. Allowing for efficient planning of maintenance activities to decrease wear & tear, shutdown & startup, alarm management, and feedback including root cause analysis for future design and retrofit.

### ENERGY OPTIMIZATION

Analyze real-time data on energy demand, weather patterns, and other factors that impact energy generation, allowing for the adjustment of energy production to meet demand while minimizing waste.

### UNIFY SUB-SYSTEMS

Integrating disparate systems and subsystems to create a comprehensive view of the big picture. This enables better decision-making by identifying potential issues and optimizing performance.

### SAFETY AND COMPLIANCE

Monitor safety and compliance issues, such as emissions levels and other environmental impacts, lowering the risk of fines or other penalties.

SME's data enablement services provides rapid, near real-time actionable intelligence giving operations the next best action to recognize, mitigate, and prevent problems.