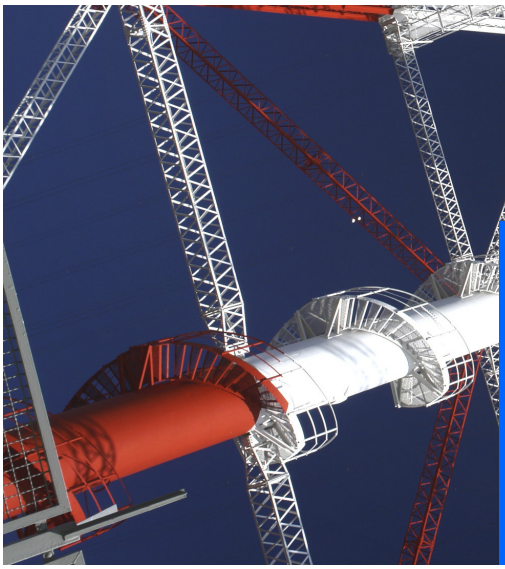


ADDRESS DATA AND ASSET MAINTENANCE FOR GAINS IN PERFORMANCE AND RELIABILITY

READY TO UNLOCK YOUR POTENTIAL?

uptake.com/products/uptake-grid

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312.242.2200

Generation, transmission, and distribution companies face challenges in providing reliable power while containing costs and investing in energy's future. Challenges center on data and asset maintenance. Lack of data access interferes with monitoring and measuring performance, as well as detecting abnormal fluctuations. Maintenance that is planned doesn't account for breakdowns or the dilemma of knowing the order of repairs or replacement.

SOLUTIONS FOR POWER & UTILITIES

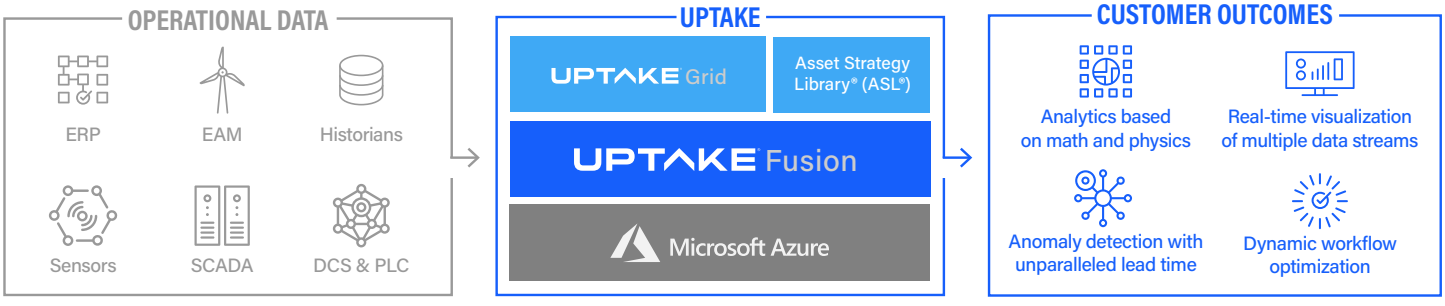
UNIFY DATA FOR ADVANCED ANALYTICS AND INSIGHTS THAT IMPROVE PERFORMANCE

Operational technology (OT) data stored in a cloud environment solves the issue of different departments using different systems without clear access to data. Cloud-based data offers equal access to data for performing advanced analytics that delivers results.

UPTAKE OWNS 33 PATENTS FOR INDUSTRIAL DATA SCIENCE AND AI. UPTAKE'S ADVANTAGE IN ACCESSING INDUSTRIAL ASSET DATA AND COMBINING IT WITH RELEVANT HISTORICAL DATA ALLOWS US TO CREATE DATA SCIENCE MODELS THAT PRODUCE EARLIER ANOMALY DETECTION WITH GREATER ACCURACY.

However, there is a roadblock. OT data is stored on-premise, typically in data historians. It's expensive and a security risk to extract the data and transfer it to a cloud environment. Or, if it's power stations, substations, or transformers, sensor data provides a sense of what is going on but not the complete picture. Sustainability goals are nearly impossible to achieve.

Uptake liberates OT data from the strangleholds of proprietary technology and the high cost of tags fees and licensing requirements to provide the foundation for advanced analytics. We move data from industrial sites, remote locations, and data centers to your Azure cloud. Setup and data migration are simple and secure. Centralized data in a data lake is automatically organized, unified, and contextualized for different stakeholders and use cases.



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PLAY THE PERCENTAGES WITH UPTAKE

up to

15%

improvement in asset reliability

10-15%

decrease in maintenance expenses

6

months average time to value

Data in your data lake enables you to monitor assets in near real-time or use the data to build out your data lake. Use Azure tools like Time Series Insights, Power BI, or outsource third-party apps. These tools analyze data and produce real-time insights into plant and asset performance.

Monitoring improves reliability, availability, safety, and integration of distributed energy resources for process optimization and compliance. Or, create a digital twin to test, validate, and monitor new energy production technologies, including renewables and new grid operating models that respond to sustainability goals and business requirements.

ADD INDUSTRIAL INTELLIGENCE FOR ASSET PERFORMANCE MANAGEMENT

Maintenance plans work great until an asset breaks down. The plan then becomes reactionary. How quickly can the repair be made? How many customers are impacted? Failures are unpredictable, and maintenance plans fall short. That's why you need industrial intelligence for asset performance management.

Uptake's predictive analytics improve asset reliability and deliver lower costs. View and act on risk probabilities using data to support decisions. Review the probability and consequence of failure based on asset data, CMMS, engineering, AI/ML engines, as well as previous consequences of failure. Data-driven insights enable you to prioritize maintenance, delaying some repairs, and help plan for demand curves.

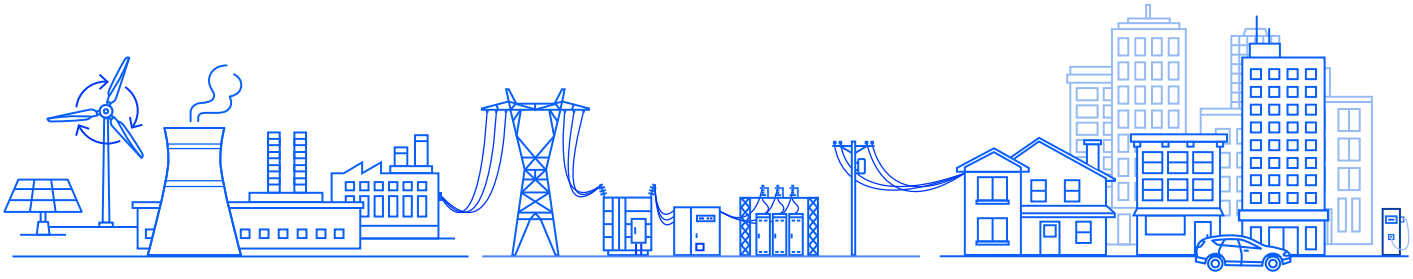
Uptake solutions are backed by deep subject matter expertise and our physics and math-based data science. We generate insights based on data from Uptake's Asset Strategy Library (ASL), the largest proprietary library of utility component failure modes. We also analyze work order history, production management, downtime/delay reporting, machine data (time series, transactional, unstructured, metadata).

Switch to performance and view insights based on the same kind of data analyzed. Gain a clearer understanding of maintenance costs, labor hours, and other key performance indicators. Visualizing insights connect the dots on work order priorities that impact asset reliability.

BRING IT TOGETHER WITH UPTAKE

For generation, transmission, and distribution companies, assets are widely dispersed, and challenges are diverse. Harnessing data and leveraging insights is how to optimize maintenance and improve performance. We can also move, store, and curate your OT data in the cloud, making it available for asset monitoring, advanced analytics, and other use cases. Whether it's data access or turning data into insights with impact, Uptake brings it together.

To learn more about Uptake, contact LearnMore@uptake.com.



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