

EcoStruxure™ Grid Asset Advisor

Life Is On



A complete view of utility data for smarter maintenance priorities



As utilities transform into more digital organizations and incorporate more distributed energy sources, they face structural challenges that impact operations and revenue streams. From updating infrastructure to changing reliability of assets, utilities are faced with operations and maintenance decisions that limit asset optimization and return on investment.

Grid Asset Advisor

EcoStruxure™ Grid Asset Advisor is an asset performance management (APM) solution that gathers and analyzes asset data from operational, technical, financial and geospatial sources, helping grid operators better understand where and which maintenance actions are needed to avoid outages, save costs and maximize crew resources. Built on the EcoStruxure Grid, Grid Asset Advisor maximizes the lifecycle of assets by answering key questions:

- What condition are my assets in and what is the likelihood of failure?
- What maintenance needs to be done and what are the financial implications?
- When does maintenance need to be done?

Grid Asset Advisor software and services assess risk and prioritizes maintenance actions for more timely and informed decision-making.

Data collection

Aggregates data from various sources, including operational, technical, financial, and geospatial.

Data modeling and analytics

Models assets by combining asset data with field operational data to generate asset performance analytics and predictive analytics.

Insights for data-driven decisions

Generates crystal-clear reports and matrices that help prioritize asset maintenance, optimize processes and provide insights for better operational and financial decisions for both short and long term results.

Key Benefits

- Better operational and financial decisions around asset maintenance
- Automatic calculation of assets' health, condition monitoring, and risk assessment
- Leverages existing digital infrastructure to execute processes more efficiently

- Out-of-the-box integration with EcoStruxure IoT platform and ADMS, Schneider Electric Digital Power offerings, ArcFM data, Apline's Optimize and third-party GIS
- Balance risk, cost and performance with asset strategy
- Better insight of asset failures and malfunctions
- Save up to 15 percent on maintenance costs via efficiency gains, up to 15 percent on operations cost, and reduce failure risk up to 80 percent

A Closer Look

Data-driven maintenance decisions

Operators have better data to avoid last-minute decisions about asset maintenance, thereby saving money and contributing to the safe operations of infrastructure.

- Improve continuity of service
- Fast response with notification of risks
- Reduce costly outages due to asset failure

Clearer understanding of asset needs

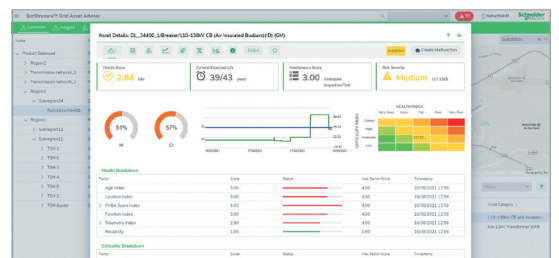
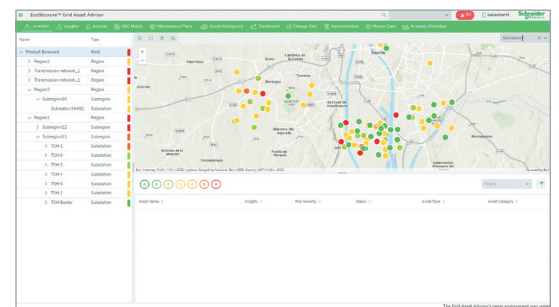
Prioritize assets with an intuitive, graphical risk matrix based on real-time ADMS and APM data.

- Calculates assets' health, condition monitoring and risk assessment
- Gathers and analyzes data from topology, load flow and state estimation
- Includes grid operational status for a holistic approach of the risk
- Align financial and operational objectives, supporting compliance to ISO55001:2014
- Asset Intelligence Library delivers advanced analysis and exceptional visibility into asset health

Simplicity

Aggregate disparate data into one view of asset health to more clearly assess priorities and action.

- A common network model shared across GIS, ADMS and APM, with no need for separate interfaces
- Get centralized management of all critical assets
- Compliant with IoT sensors' deployment strategy, covering assets with and without sensors



About EcoStruxure Grid

From seamless local production and integration at the grid edge to bridging demand and supply, EcoStruxure Grid increases the grid's efficiency for sustainable networks.

EcoStruxure Grid Asset Advisor

Schneider Electric
2620 E. Prospect Rd.
Fort Collins, CO 80525
Suite 130, United States

www.mycrcfm.schneider-electric.com

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