

# EcoStruxure™ Asset Advisor for Grid

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 last-minute operations and maintenance decisions that limit asset optimization and ROI.

## Asset Advisor for Grid

EcoStruxure™ Asset Advisor for Grid 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, Asset Advisor for Grid 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?

## 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 feed 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.

### 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 ADMS and ArcFM data
- Balance risk, cost and performance in your asset strategy
- Save up to 20 percent on maintenance costs throughout the utility

## A Closer Look

### Data-driven maintenance decisions

Operators have better data to avoid last-minute decisions about asset maintenance, thereby saving money and protecting maintenance crews' safety.

- 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

### 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, so there's 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 your grid's efficiency for sustainable networks.



Asset ID	Asset Name	Type	Severity	Likelihood	Consequence	Expected Life	Normal Expected Life	Risk Value
11000-0000-12-00	14000011071401	L.T.	High	65.19%	99.00%	45	50	799.3048
11000-0000-12-00	14000011071401	Transformer	High	99.00%	99.00%	45	50	715.9048
11000-0000-12-00	14000011071401	Transformer	High	99.00%	99.00%	54	50	715.9048

# EcoStruxure Asset Advisor for Grid

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

www.myarcfm.schneider-electric.com

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