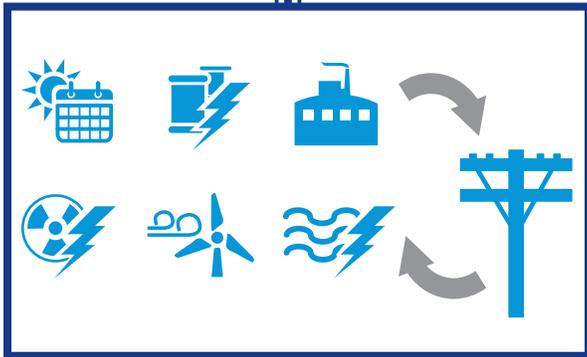


IoT Analytics for Automated Discovery and Update of Distribution Network Topology

To ensure accurate load planning, reliability and better network management, utilities must have an accurate topology of the distribution network. With an increasingly complex and rapidly changing grid an accurate real time distribution network topology is ever more essential for transmission teams



The Challenge

- Unlike the transmission grid, distribution system operators lack accurate topology awareness
- Increased complexity and variability of the grid (DERs etc..)
- Installing monitoring devices across a changing grid is costly and un-scalable

The rollout of AMI creates a significant opportunity for forward-thinking utilities to leverage the rich data to improve awareness of the distribution network – but only if they have the strategy & platforms that can operationalize and automate the results.



The Solution

Vitria's IoT Analytics Platform includes a unified set of tools to implement and operationalize ML and statistical algorithms on AMI data to reconstruct an accurate meter to transformer topology. It can connect to and fuse information from OMS and connected Things (AMI) automatically updating the CIM models in EMS.

Predictive & prescriptive analytics in the platform leverage historical and real-time data to weave together an accurate view of the last mile connections while leveraging BPMN technology to interfacing with business & operational systems.



Benefits

Vitria's Platform delivers the following benefits for Senior Executives and Operations Managers at utilities:

- A comprehensive accurate view of network topology that is updating in real time based on AMI data
- Better and safer business decisions are made faster by leveraging sophisticated analytic techniques & automation
- Accurate load management and network management

About Vitria Technology

Vitria's IoT Analytics Platform empowers enterprise and industrial customers to analyze faster, act smarter, and achieve better outcomes in their IoT and business operations. The company has a history of success in streaming analytics, business process management, enterprise application integration, and operational intelligence.

Vitria is now a leading player in the rapidly growing IoT (Internet of Things) analytics market. Customers include Fortune 500 companies and enterprises across a wide range of industries, including finance, manufacturing, telecommunications, utilities, retail and more. For more information, visit www.vitria.com.