

Intelligent Outage Management for the Smart Grid

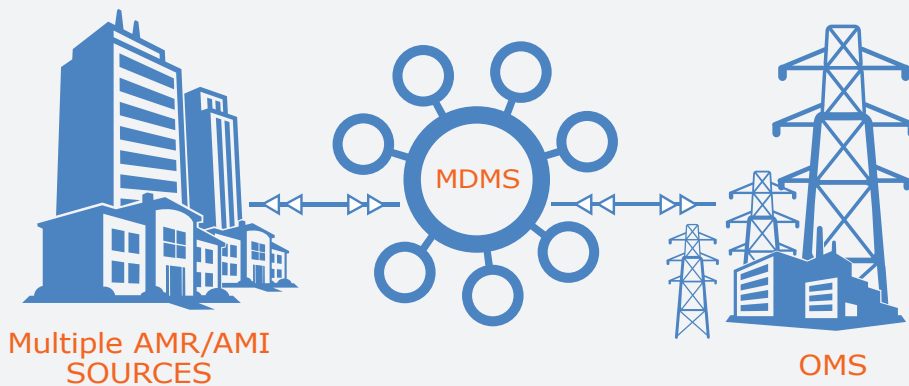
Enhanced Outage Management Module

The number one task of a utility is to provide a much-needed commodity without interruption. So when an outage occurs, the affected world practically stops, and returning to normal requires a more effective use of information; it is available through your AMR/AMI system, but not easily leveraged. When utilities opt for an Ecologic Meter Data Management System (MDMS) with its Enhanced Outage Management (EOM) module, outages are detected and reported significantly faster and resolved using fewer resources.

That's because EOM tracks outage events in near real time and smartly scopes the affected area. From the moment an outage is recognized, the information—as in the size and location of the outage—is made available to the utility. EOM then issues the notifications to address the outage efficiently, so life can return to normal for your customers.

AMI Data - Extending its Value beyond Billing

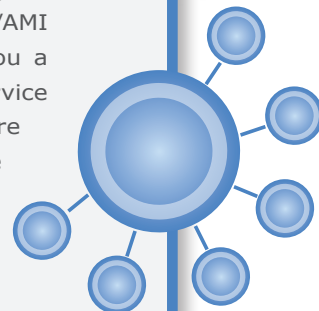
EOM leverages your AMR/AMI assets to detect outage and restoration events quickly and intelligently. With the EOM, proactive notification and smart scoping means the existing OMS infrastructure and outage business processes are maximized for quicker, more efficient response to customer inquiries, faster issue resolution, and better use of field resources.

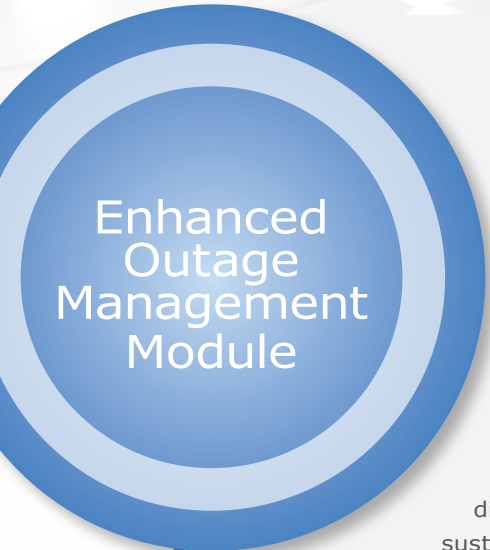


Why do you need EOM?

- Leverage AMI/AMR Investment
- Proactive IVR and Website notification
- More efficient resolution
- Quicker response to customer
- Better use of field resources
- Extend existing OMS infrastructure and business processes

It's all done through seamless integration between your AMR/AMI systems, in the field today or still a part of your future plans, and your OMS. AMR/AMI data combined with EOM, offers you a high-definition view of when a service point loses or regains power. More granularity improves accuracy of the outage and restoration data supplied to the OMS.





Enhanced Outage Management Module

Putting the Smart in Smart Grid

Smart scoping logic is a major component within EOM. It is more than filtering redundant and momentary outages. Smart Scoping intelligently determines how many and which meters to ping and it ensures that the OMS only receives the data it needs only when it needs it, protecting it against a flood of unnecessary outage data. Smart scoping means the OMS maintains its efficiency—optimized to do what it does best—manage outages. Now that’s smart.

How does it work? It’s a process that uses business logic and rules to differentiate the circumstances that make an outage momentary versus sustained. EOM then signals the OMS with the “real” outages. With the AMI meter data, EOM calculates the status of the transformer associated with the group of meters and provides the data to the OMS when it’s needed. It’s a proactive and ongoing process, meaning EOM is performing transformer-level analysis on all outage data. As restoration occurs, EOM only provides the OMS with information it doesn’t already know. That’s smart scoping. That’s EOM by Ecologic Analytics.

When Every Minute Counts

When the electricity goes out, every moment counts for the utility and its customers. EOM features an outage dashboard that acts as the window into an outage event. So through a single console —Navigator— or through API integration into existing utility systems, EOM:

- Allows the utility to view outage status moment by moment
- Provides the utility with the data necessary to accurately report on the restoration process as often as necessary
- Gives a side-by-side view of outage status as derived from AMI data with outage status as determined by the OMS
- Provides the ability to execute parameter-driven queries of outage state and event data with drill-down capabilities

With better use of actual outage and restoration endpoint data available through your existing and future AMR/AMI assets, more accurate analysis and reporting are possible when it matters most.

As with all the modules offered by Ecologic Analytics, EOM is just one part of a comprehensive solution – the Ecologic MDMS. EOM is integrated with WAVE™ and iWAVE™, and together, the solution has the ability to generate zero consumption reports during outage periods. It prorates and estimates based on outage status and it retains the historical data for each device in order to determine all outage and restoration events during its life cycle. This improves customer service. This is EOM.



Contact Ecologic Analytics to learn more about the Enhanced Outage capability of the Ecologic MDMS.

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