InSight
Data Analysis for Asset and Maintenance Data
Optimize your investments with smart data analysis

Purchasing a data management system is a key decision for a utility. A good data management system guarantees data integrity, availability and security; it optimizes workflows and supports decision-making by providing important insights into the assets via data analyses. A system that fulfills these requirements has the potential to deliver huge time and cost savings for a utility.

OMICRON’s Asset and Data Management System (ADMO) focuses on delivering optimal maintenance support as well as advanced setting management and data administration functionalities for asset data. Thus, the system represents a comprehensive basis for additional data analysis. The complementary web application InSight builds on the data that is contained in the ADMO database. It allows utilities to gain unique insights into this information, enabling them to develop smarter, data-driven maintenance strategies, to optimize planning and scheduling activities, and to reduce the risk of compliance-related liabilities and fines.

InSight technology

InSight is a web application that graphically processes data in so-called widgets and allows to set up notifications based on that information. InSight communicates with ADMO via a defined application interface (ADMO API). For security reasons, data provided to InSight is read-only.

Access for an expanded user group

Because InSight is a web application with a central Identity Management System (IMS), access to the platform is not restricted to ADMO users. This enables a wider user group within the utility (for example management or compliance personnel) to access the analysis capabilities of InSight.

Purchasing InSight

InSight is included with an ADMO maintenance contract at no additional charge. It is not available for ADMO Stand-alone customers or for ADMO Client Server customers without a valid maintenance contract.
The InSight dashboard offers 12 pre-configured widgets that facilitate decision-making with regard to investment strategies and maintenance planning.

Use flexible filters
Each widget features flexible filters that make it easy to customize the displayed information and allow for targeted selection of relevant data. For example: view data for a specific location, asset kind, time span, responsible person or event type.

Your benefits
- Enables data driven decision-making
- Supports planning, compliance, asset and maintenance management
- Included in the ADMO maintenance contract
- Uses already existing data from ADMO
Visualize your data with customizable widgets

**Assets by manufacturing year**
This widget provides information regarding the age structure of assets. The widget lists different assets by manufacturing year and is intended to help asset managers plan their maintenance and renewal strategies.

**Filter by:** location, asset kind, manufacturer and time span

**Maintenance due by asset kind**
This widget provides an overview of open maintenance tasks per asset kind per year. The widget supports long-term personnel and maintenance planning.

**Filter by:** location, responsible person, asset kind and time span

**Open follow-up tasks**
This widget lists and provides information about all due and overdue follow-up tasks. The widget supports maintenance and personnel planning activities.

**Filter by:** location, asset, responsible person and follow-up status

**Maintenance status overview**
This widget shows the current maintenance status of all assets in the system or at a particular location. The visualization provides the same maintenance status overview, which is a prominent element in the ADMO interface.

**Filter by:** location, asset kind and responsible person
Visualize your data with customizable widgets

**Misoperations**
This widget provides a summary of all misoperations that caused network disturbance events. The data is organized by manufacturer and manufacturer type to identify fault-prone equipment easily.

**Filter by:** location, manufacturer and time span

**Network disturbances**
This widget provides an overview of all network disturbances in the system. It lists all network disturbance events and associated data like involved feeders, protection reaction, disturbance cause or supply interruption during a specified time span.

**Filter by:** location, protection reaction, supply interruption and time span

**Asset report**
This widget provides a table that includes important maintenance information for compliance reporting, such as asset maintenance status, date of the last two maintenance events, maintenance program and maximum maintenance interval.

**Filter by:** asset kind and location

**Maintenance tasks per responsible person**
This widget provides an overview of the performed and planned maintenance activities of individual responsible persons. The data assists maintenance managers with their personnel and resource planning.

**Filter by:** location, responsible person, asset kind, event type and time span

**Custom widgets**
In case of very specific analysis requirements, it is possible to order custom widgets. This allows customers to specify widgets to best fit their information needs. A custom widget can be implemented and delivered via a plug-in infrastructure at any time.
Get an overview with InSight maps

The map section provides an overview of the maintenance status of all assets in the system by location. Selecting a substation provides additional information about the number of open maintenance or follow-up tasks at that particular location and which assets are concerned.

- **Declutter the map**: Hide all locations with no open tasks (green).
- **Customize your view**: Create favorites and persist maps with different zoom levels and filter settings.
- **Filter your data**: Show the maintenance status for a specific asset, timeline or responsible person.
- **Get details**: Click on a location to see how many assets have open maintenance tasks.
- **See which assets are involved**: Get a list of all assets with open tasks at the location.

- **No asset has a maintenance or follow-up task due or overdue.**
- **At least one asset has a maintenance or follow-up task due.**
- **At least one asset has a maintenance or follow-up task overdue.**
In the Notifications section users have the option to configure periodic e-mails to support various management, scheduling and reporting tasks. The notifications are sent out via the existing office mail system and can be set up for InSight users as well as non-InSight users.

Notifications can be created in the notification area, or directly at the widget, automatically using the applied filters to configure the e-mail notification.

Select sending frequency to be daily, weekly, monthly or yearly.

Define the recipients of the notifications, then add custom subject and text to the emails.

Each e-mail notification contains an attachment with up-to-date data, as predefined with filters.

Notifications for OPERATIONS MANAGER
- Upcoming and scheduled maintenance tasks
- Completed maintenance tasks
- Overall open follow-up tasks

Notifications for TESTER
- My planned events
- My open maintenance tasks
- My open follow-up tasks

Notifications for SETTINGS ENGINEER
- Planned settings changes
- Completed settings changes
- Required review of settings

Notifications for ASSET MANAGER
- Misoperations of assets
- Network disturbances
- Asset maintenance and status reports
OMICRON is an international company serving the electrical power industry with innovative testing and diagnostic solutions. The application of OMICRON products allows users to assess the condition of the primary and secondary equipment on their systems with complete confidence. Services offered in the area of consulting, commissioning, testing, diagnosis and training make the product range complete.

Customers in more than 160 countries rely on the company’s ability to supply leading-edge technology of excellent quality. Service centers on all continents provide a broad base of knowledge and extraordinary customer support. All of this together with our strong network of sales partners is what has made our company a market leader in the electrical power industry.

The following publications provide further information on the solutions described in this brochure:

ADOPO brochure

For more information, additional literature, and detailed contact information of our worldwide offices please visit our website.

www.omicronenergy.com