

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 fulfils 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

In Sight is a web application that graphically processes data in so-called widgets and allows to set up notifications based on that information. In Sight communicates with ADMO via a defined application interface (ADMO API). For security reasons, data provided to In Sight 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 Standalone customers or for ADMO Client Server customers without a valid maintenance contract.

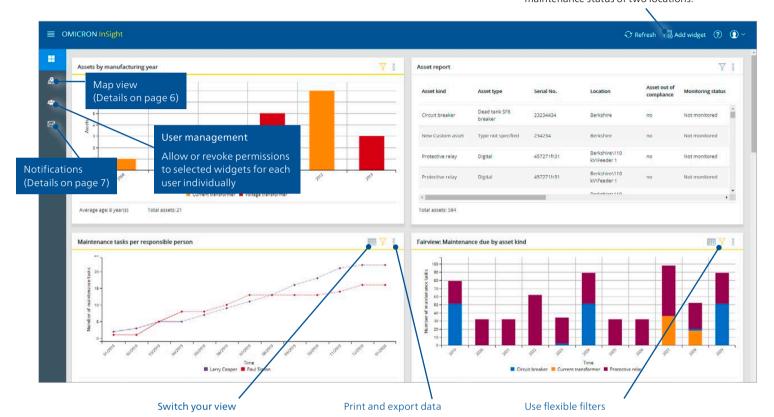




The InSight dashboard offers 12 pre-configured widgets that facilitate decision-making with regard to investment strategies and maintenance planning.

Customize your dashboard

Add any widgets you like to your dashboard. Add the same widget several times with different filter settings to get a quick side-by-side comparison. For example, compare the maintenance status of two locations.



Print widgets or copy and paste

tables into other applications,

such as Microsoft Excel®.

Switch between a graphical representation and a table

to see more data details.

view of the widget information

Your benefits

> Enables data driven decision-making

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.

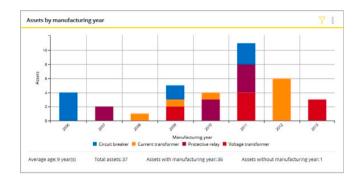
- > Supports planning, compliance, asset and maintenance management
- > Included in the ADMO maintenance contract
- Uses already existing data from ADMO

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.

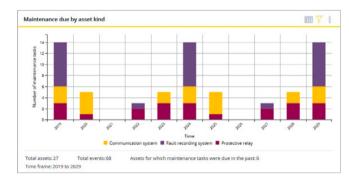
Filter by: location, asset kind, manufacturer and time span



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.

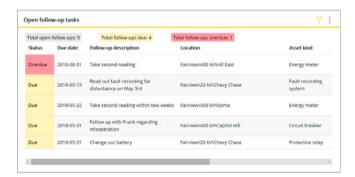
Filter by: location, responsible person, asset kind and time span



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.

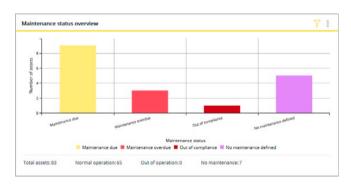
Filter by: location, asset, responsible person and follow-up status



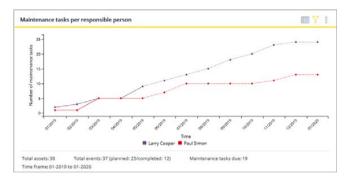
Maintenance status overview

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.

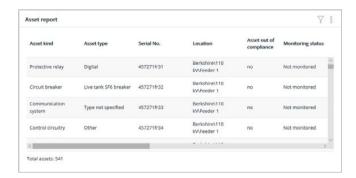
Filter by: location, asset kind and responsible person







Misoperations William Trype B Manufacturer Type B Manufacturer Type B Manufacturer Type B Manufacturer Type B Misoperations



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

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

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

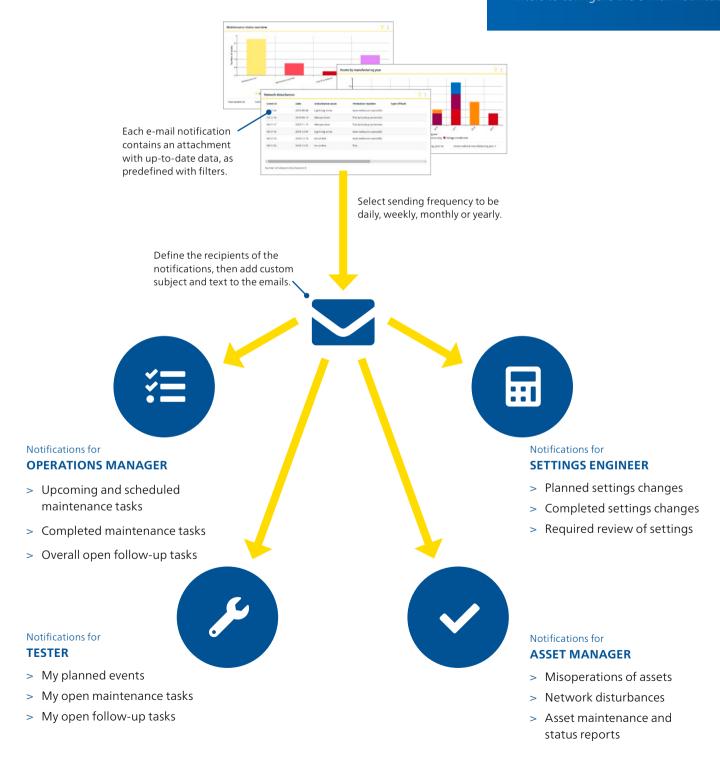
The map section provides an overview of the maintenance status of all assets in the system by location. Selecting a substation provides additional information about the number of open maintenance or follow-up tasks at that Customize your view Filter your data particular location and which assets are concerned. Create favorites and Show the maintenance Declutter the map persist maps with status for a specific Hide all locations with different zoom levels asset, timeline or no open tasks (green). and filter settings. responsible person. Maps Berlin Favorites Protective relays - Berlin ? ① # Save as favorite VY Hide green locations * **Get details** Click on a location to see how many Maintenance overdue assets have open Onen follow-up tasks maintenance tasks **UW Berlin** Serial No. Asset kind Manufacturer Maintenance due 4572710r41 Protective relay Manufacturer A No maintenance defined: Protective relay Manufacturer A 457271d81 Open follow-up tasks: Manufacturer B 457271fr1 Protective relay No asset has a maintenance See which assets are involved or follow-up task due or overdue. Get a list of all assets with open tasks at the location. 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.



We create customer value through ...





Innovation

Thinking and acting innovatively is something that's deeply rooted in our genes. Our comprehensive product care concept also guarantees that your investment will pay off in the long run – e.g. with free software updates.

More than

200



developers keep our solutions up-to-date

More than

15%

of our annual sales is reinvested in research and development

Save up to

70%





testing time through templates, and automation



... a product portfolio tailored to my needs

We create customer value through ...

Support

When rapid assistance is required, we're always right at your side. Our highly-qualified technicians are always reachable. Furthermore, we help you minimize downtimes by lending you testing equipment from one of our service centers.



Professional technical support at any time



Loaner devices help to reduce downtime



Cost-effective and straightforward repair and calibration



offices worldwide for local contact and support



Knowledge

We maintain a continuous dialogue with users and experts. Customers can benefit from our expertise with free access to application notes and professional articles. Additionally, the OMICRON Academy offers a wide spectrum of training courses and webinars.



Frequently OMICRON hosted user meetings, seminars and conferences

More than

300

Academy and numerous hands-on trainings per year

???





to thousands of technical papers and application notes





Extensive expertise in consulting, testing and diagnostics

OMICRON is an international company that works passionately on ideas for making electric power systems safe and reliable. Our pioneering solutions are designed to meet our industry's current and future challenges. We always go the extra mile to empower our customers: we react to their needs, provide extraordinary local support, and share our expertise.

Within the OMICRON group, we research and develop innovative technologies for all fields in electric power systems. When it comes to electrical testing for medium- and high-voltage equipment, protection testing, digital substation testing solutions, and cybersecurity solutions, customers all over the world trust in the accuracy, speed, and quality of our user-friendly solutions.

Founded in 1984, OMICRON draws on their decades of profound expertise in the field of electric power engineering. A dedicated team of more than 900 employees provides solutions with 24/7 support at 25 locations worldwide and serves customers in more than 160 countries.

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



ADMO brochure

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

