

A blue-tinted photograph of two industrial workers wearing hard hats. The worker in the foreground is a woman with a smile, looking down at something she is holding. The worker in the background is a man with glasses, also looking down. The image is overlaid with a semi-transparent blue rectangle containing text.

CMMS EDGE IoT is a software platform for preventive, corrective and condition-based maintenance, intuitive and easy to use, with this software you can monitor the operating variables of your critical assets in real time, you will obtain measurements, alarms, behavior graphics, history, customizable reports and event reports, you can configure alarms associated with work orders in advance so that the maintenance team can anticipate a functional failures of the equipment and prevent unscheduled shutdowns due to these potential damages.

What is CMMSedge IoT?

It is a digital tool with the capability of:



COLLECT

Acquisition of asset data by communication protocols.



STORE

Secure and fast data storage

ANALYZE

Convert the data obtained into useful information.

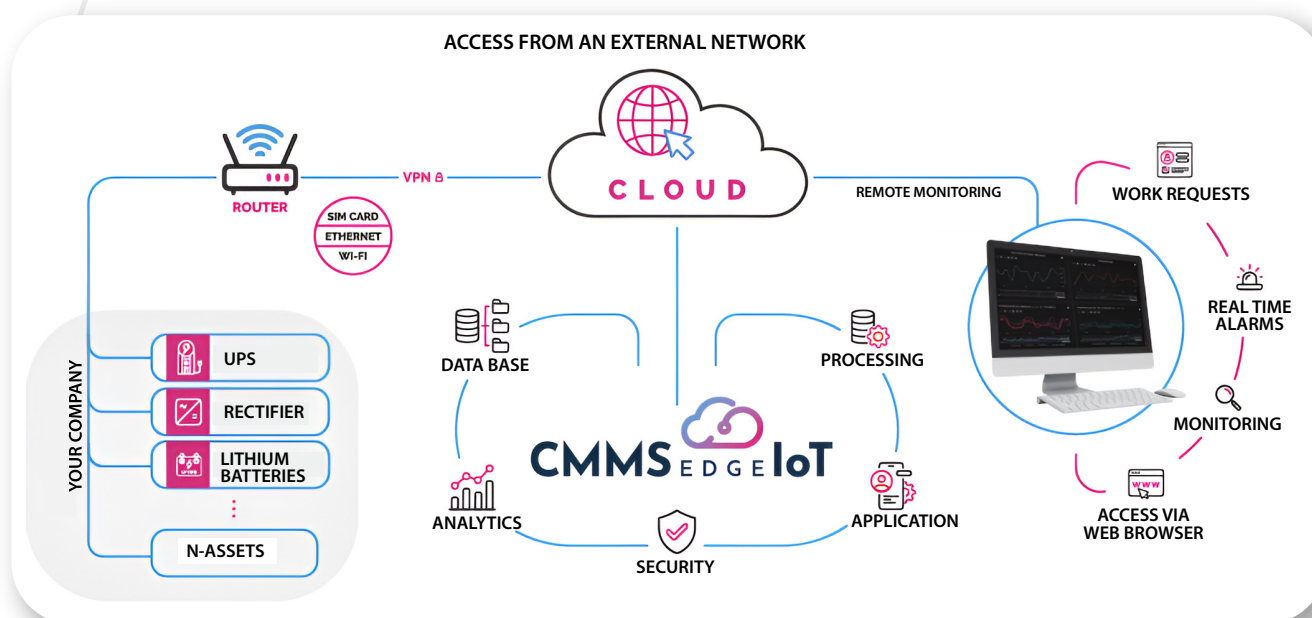


VISUALIZE

Real Time Historicals and Comparisons



Operation flow



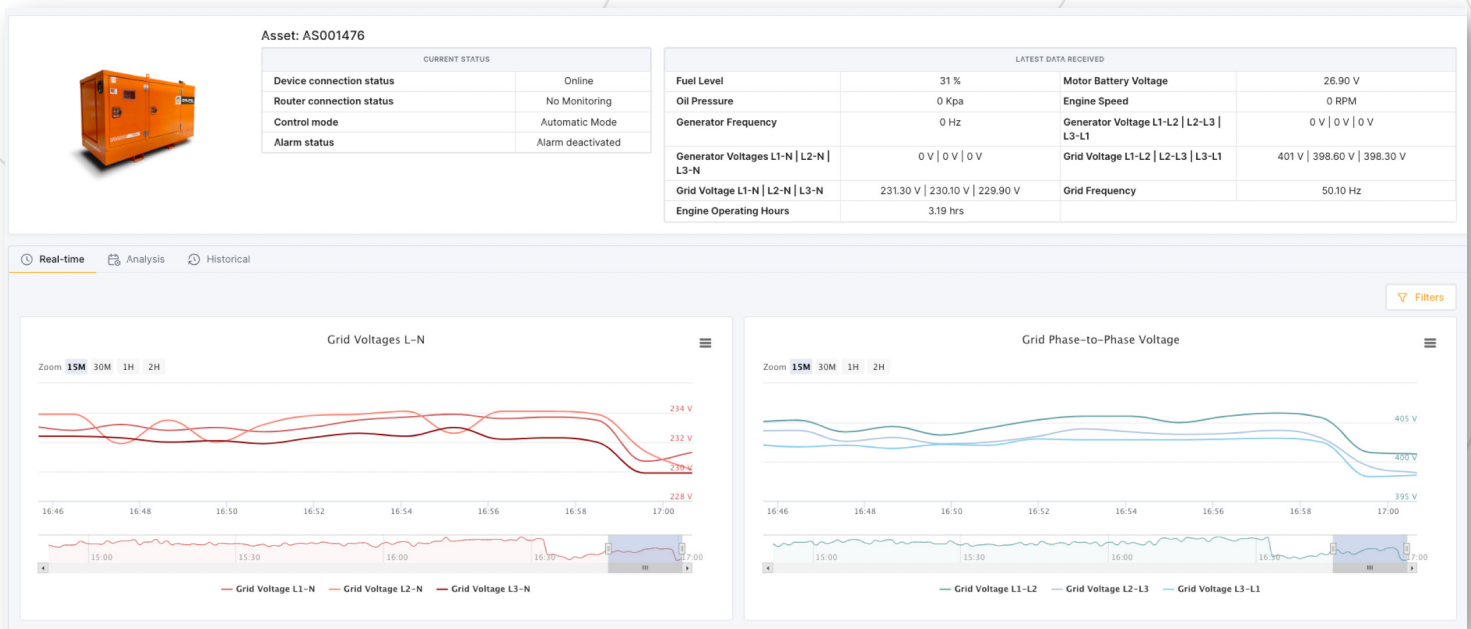
In order to monitor the asset, the system must have a router installed next to the asset, which communicates via a communication protocol (Modbus or SNMP) with a VPN server.

The measurements are sent to a database, where they are interpreted and then converted into useful information to be displayed in dashboards or tables in the CMMS EDGE IoT interface.

It is an user-friendly software that displays real-time reading graphs, historical data, export event logs and generate customized reports. In addition, it provides tools that will allow the maintenance area to visualize the information in a centralized and appropriate visualization, choose the time interval to be analyzed, take screenshots or export to an Excel file.

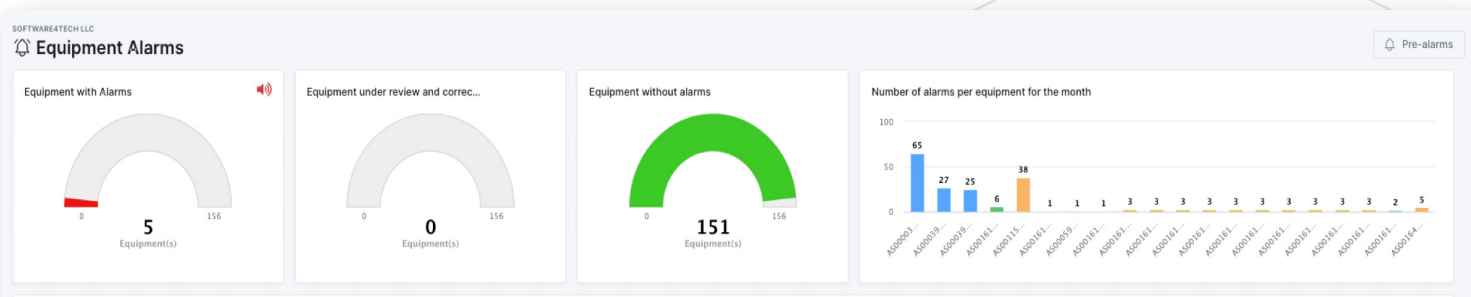
REAL-TIME MONITORING

Visualization of the data obtained in real time, filtered by time intervals to visualize historical data. In addition, the availability of an analysis tool where, for instance, maximums and minimums of a critical variable in a given time interval can be visualized.



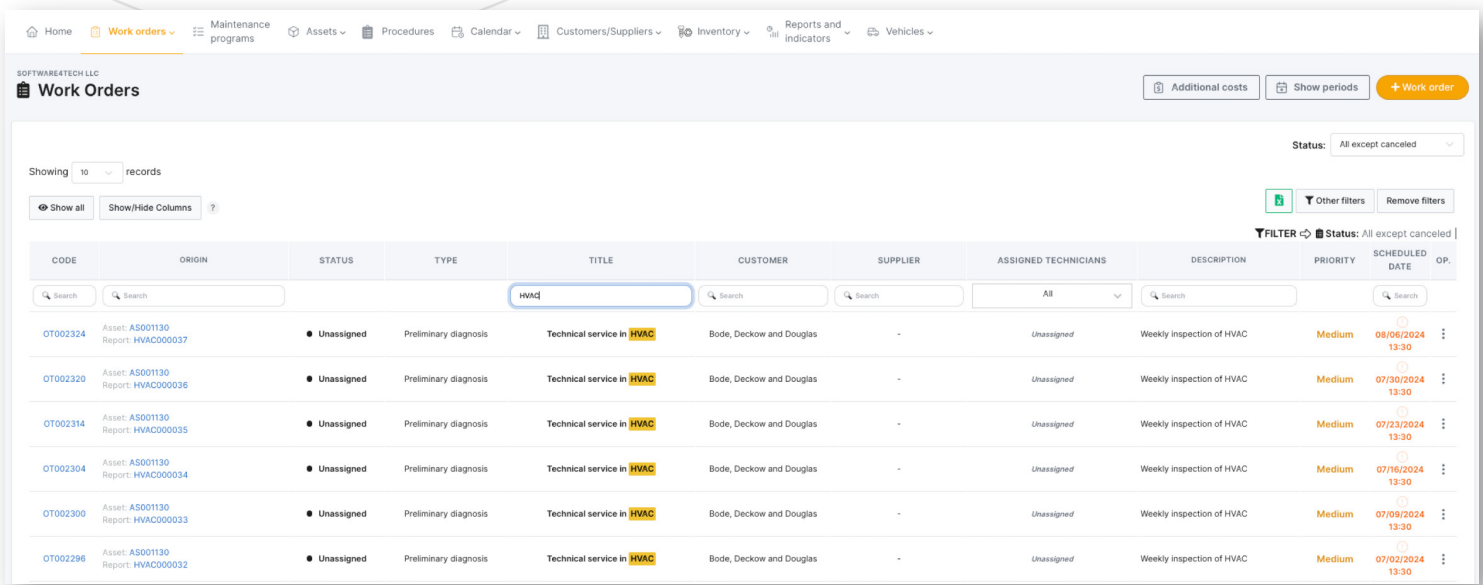
REAL-TIME ALARMS

In the event of a failure alarm, the platform will send notifications to the configured contacts and these will be part of the asset's event log. The platform gives the option to set the level of severity of the alarms, with the option to choose which ones should be notified and logged.



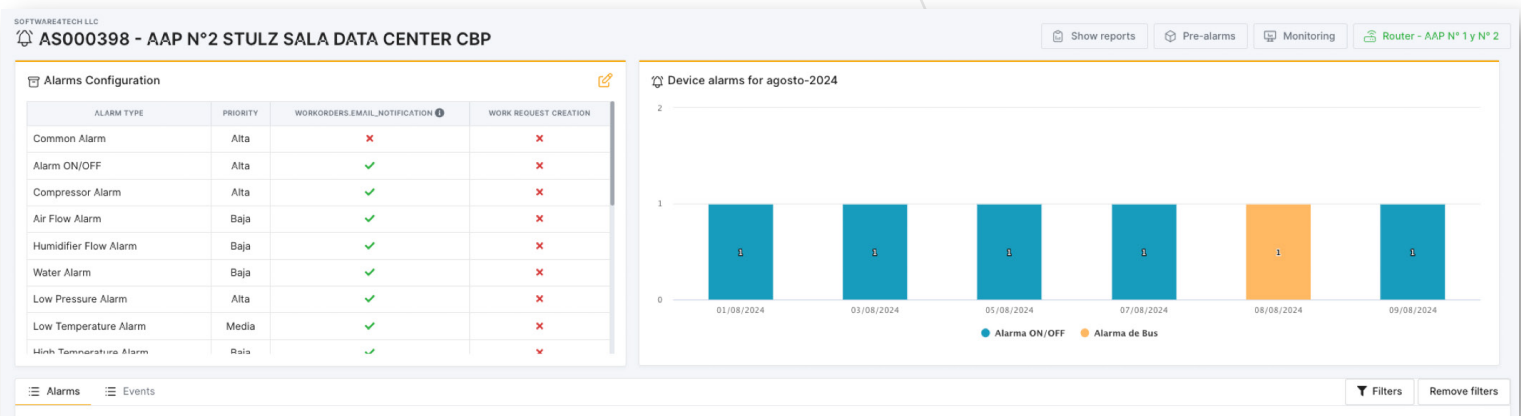
WORK ORDERS

When an alarm occurs in the asset, the maintenance team will be able to generate a work request so that the technical staff will immediately go to the revision following a procedure previously configured in the software. Once the problem has been solved, the platform will generate a report that will become part of the asset's history and the work order (WO) will be completed.



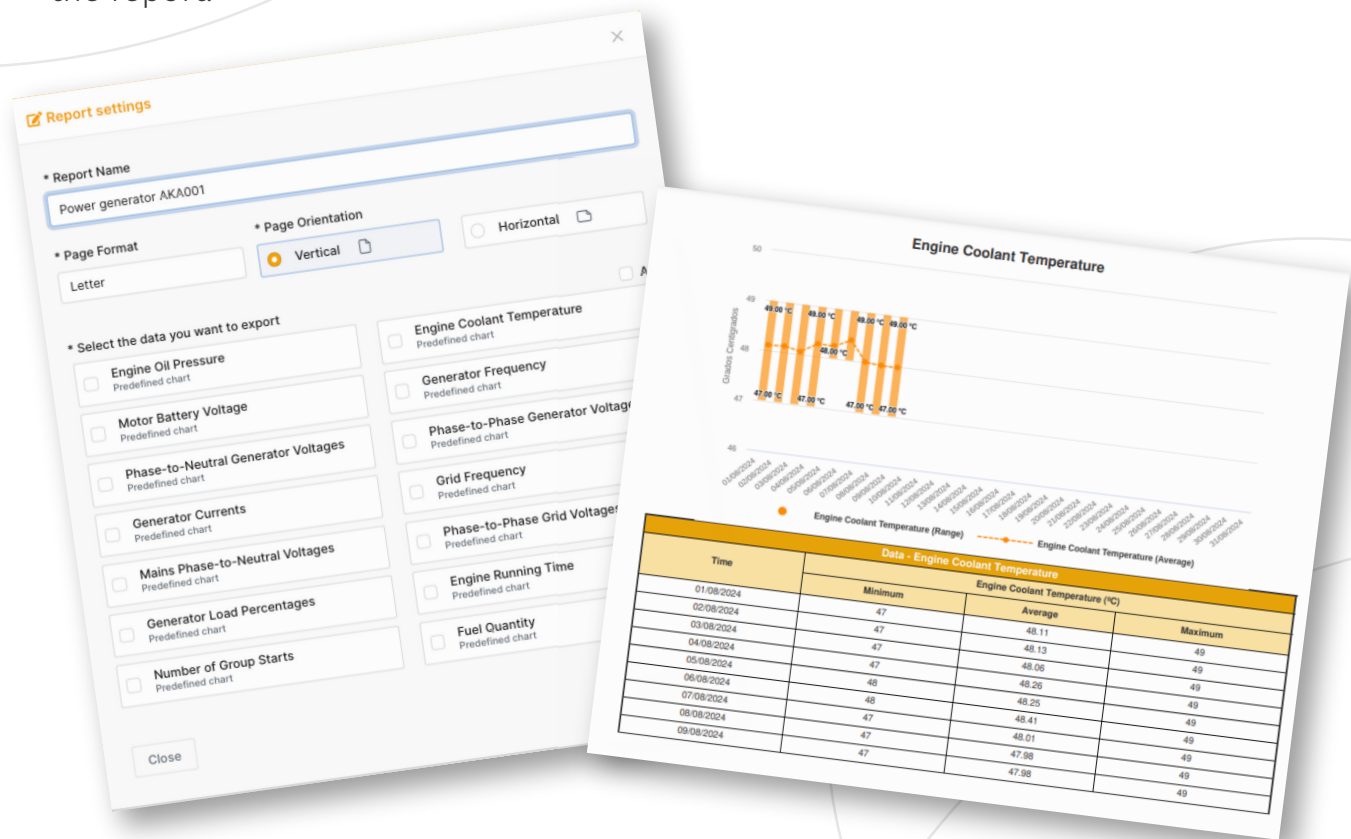
EVENT HISTORY

All events occurring linked to the critical asset will be recorded in their respective history milestone with their time stamp (these records can be downloaded).



REPORTS

The CMMS E D G E IoT platform has customized template creation options or, these can be custom created with the ability to select the data that is required in the report.



END-TO-END SOLUTION FOR ASSET MONITORING ACROSS MULTIPLE USE CASES

Various types of assets can be monitored as long as the basic requirement of having dry contacts or using a communication protocol such as SNMP or Modbus is fulfilled. This ranges from monitoring an electrical panel and logging personnel in and out of restricted access areas, to monitoring the capacitor bank used for power factor correction, and even measuring the fuel level in a storage tank, among many other possible cases.

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