

# INGESYS

# ACM

## Advanced Software for Analysis and Diagnostics



INGESYS™ ACM is Ingeteam's software solution for the diagnosis and status monitoring of machines and processes. With a web base, it can collect monitoring data from a wide variety of monitoring systems and offers an extensive set of applications aimed at solving the monitoring needs in various sectors such as energy, industry, railway, etc.

INGESYS™ ACM makes it possible to discover the cause of failures before they happen and reduce non-planned downtime, increasing the availability and reliability of the system.

### Customizable monitoring software

#### Main features

- An extensive set of tools for analysing signals and trends (customizable panels with a variety of graphical visualization possibilities, postprocessing skills, etc )
- Alert registers for maintenance service and actions such a physical exit activation or sending emails which can be activated when defined limits are exceeded
- Comparative analysis in different operational situations
- Definition of the operating states of the machine and/or process associated to each of the different thresholds for detecting alarms
- A powerful user interface for centralizing the information needed to diagnose the system
- Centralized fleet management
- Web solution based on a set of applications

#### Benefits

- ✓ User customizable software
- ✓ Multi-platform and multi-browser web application
- ✓ Installation's life increase
- ✓ Maintenance costs reduction
- ✓ Apps can be developed by the user and be integrated in the cloud

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# Ingeteam

## Configuration

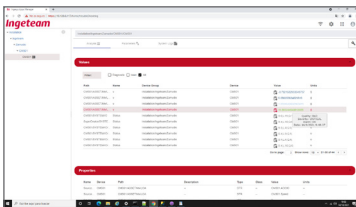
Trigger conditions and acquisition data configuration  
 Definition of operation states based on the acquired data  
 Permission and user configuration  
 Configuration of operating procedures

## Monitoring

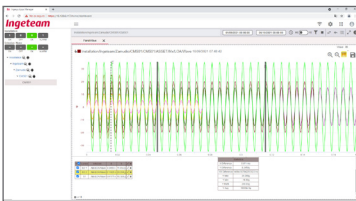
Advanced functional features for monitoring the data based on:  
 Dashboards, alarms, ...  
 Postprocessing skills, data filtering functions, etc.  
 Customized user reports generation

## Big Data Analysis

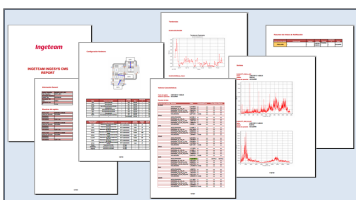
Identification and monitoring of time trends of critical operational parameters  
 Definition of thresholds on critical parameters  
 Post-processing functions for optimising data analysis



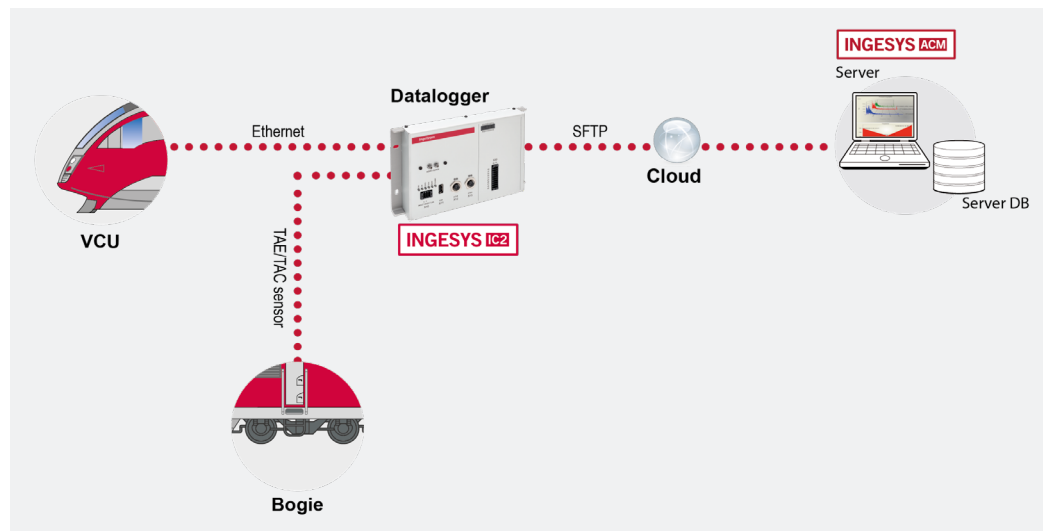
Alarms and faults panel



Frequency charts



Customized report generation



Example of Ingeteam's RCM Solution for railway sector