

IOT – INTERNET OF THINGS

GIE CLOUD®

Facilitating real-time monitoring, alert management, and analysis of historical data in an integrated way for more informed and efficient decision-making.

Robust, flexible and powerful IoT platform to centralize and manage data.

GIE CLOUD is a flexible and powerful platform that makes it possible to centralize, process and visualize data from multiple industrial devices based on IOT.

Through this platform, we help those responsible for **maintenance, integrity and operations** in asset-intensive industries to improve the decision-making process, by having reliable information in a timely manner for decision-making.



GIE CLOUD®

Transform your data into intelligent decisions

GIE CLOUD® is an advanced IoT platform designed for asset-intensive industries. It **centralizes, processes, and visualizes data** from various industrial devices, facilitating real-time monitoring, alert management, and historical data analysis. With a flexible architecture based on microservices, GIE CLOUD® adapts to multiple deployment needs, improving decision-making in maintenance, integrity, and operations by providing reliable and timely information.

Characteristics

Microservices-based architecture

The platform uses Docker containers, which makes it very flexible to adapt and scale according to the particular requirements of each solution.

Public or private cloud hosting

GIE CLOUD can be deployed both in public clouds (Azure, AWS, etc.) guaranteeing high availability and scalability, as well as in customers' own servers.

Integration with multiple cloud services

You can use a variety of cloud protocols to integrate other data sources (Http, MQTT, Modbus Tcp, SNMP, etc.)

Alert management and notification

It allows you to configure personalized alerts for the different monitored instruments and notify them via email service.

Flexibility

It can be adapted to new types of instruments or equipment according to the needs of the project. Its microservices architecture allows for the rapid addition of new devices to the system

Project and User Management:

The system handles three user roles (Admin, User, and Viewer) and allows for the creation and management of independent projects.

Integration with multiple field devices

It can integrate data from various types of dataloggers and sensors (strain gauges, piezometers, inclinometers, seismographs, etc.).

Data Visualization

It offers georeferenced visualization of the status and latest data of the instruments, as well as tools to view historical data and events.

Remote Access

It includes an OpenVPN server for remote access to connected computers.

Data analysis

It allows the visualization of historical data and offers tools such as Grafana for more detailed analysis.



contact@giegroup.net

We are by your side, ensuring clean and safe operations