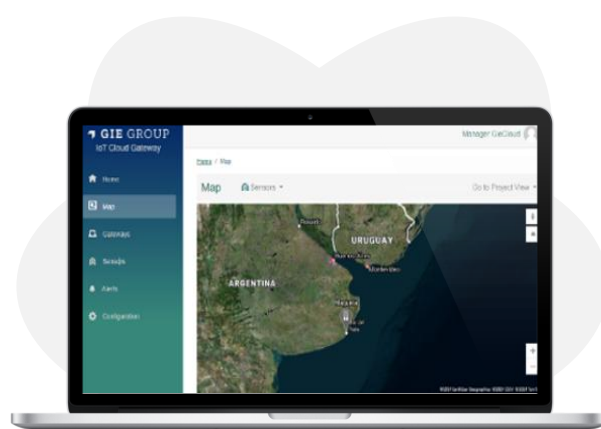**GIE** GROUP

IOT – INTERNET OF THINGS

# Remote Pressure Sensing and Monitoring System

Continuous real-time pressure monitoring to optimize the safety and operational continuity of the natural gas network

## Ensure continuity of natural gas supply with an IoT-based remote pressure monitoring system

We help **Operations and Distribution managers** in the **Natural Gas sector** to monitor critical pressures in real time at regulation and metering stations, allowing them to detect abnormal conditions early that may affect supply and operational safety.

Through this solution, you will be able to have real-time information on operating pressures, increasing operational safety through automatic alerts, guaranteeing service continuity through the monitoring of your critical assets.



**Remote Pressure Sensing and Monitoring**

# Low Pressure Early Warning System

The remote pressure monitoring system provides a comprehensive solution for the early detection of pressure drops in natural gas regulation stations.
By installing pressure switches connected to field devices (Edge Devices) in classified areas, the system detects and alerts when pressure drops below preset levels, transmitting the data over 3G/4G cellular networks.

The information is processed and stored on the GIE Cloud platform, allowing real-time visualization of the status of the stations, access to historical data and the automatic generation of email alerts.

The solution includes an intuitive web interface to manage users, visualize georeferenced data and generate reports, facilitating operational decision-making and preventive maintenance.

| Presostato | Monitoring Device | 3G/ 4G communication | GIE Cloud Platform | Viewing & Downloading |

**IOT PRESSURE REMOTE MONITORING SYSTEM**

# Benefits that transform and optimize pressure monitoring in your operations

| Early detection of pressure drops | 24/7 remote monitoring with no on-site personnel | Automatic email alerts for critical events | Web access to historical and georeferenced data |

**BENEFITS OF REMOTE PRESSURE SENSING AND MONITORING SYSTEM**

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We are by your side, ensuring clean and safe operations