



# THE CHALLENGE

Reliability, resilience, and operational efficiency are key for decarbonized distribution grids.

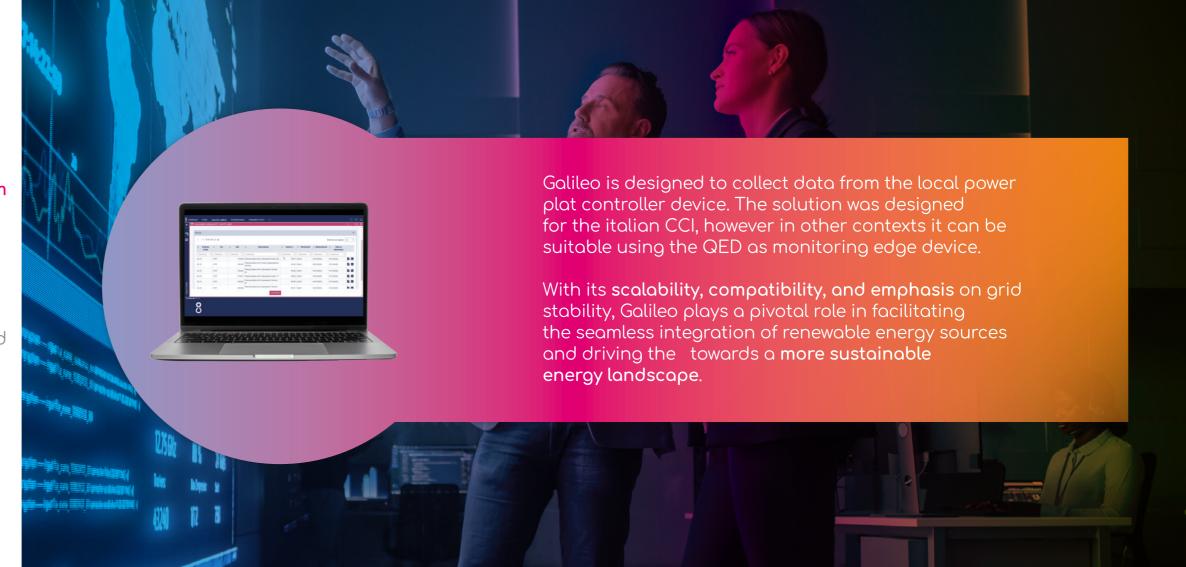
Today distributed energy resources (DERs) inject energy into the grid from various locations, meaning that there is a substantial increase of data generation and energy flows.

Hence, Distribution System Operators need to monitor, measure and analyze the performance of the network in a more predictive manner, with a high degree of accuracy and granularity.

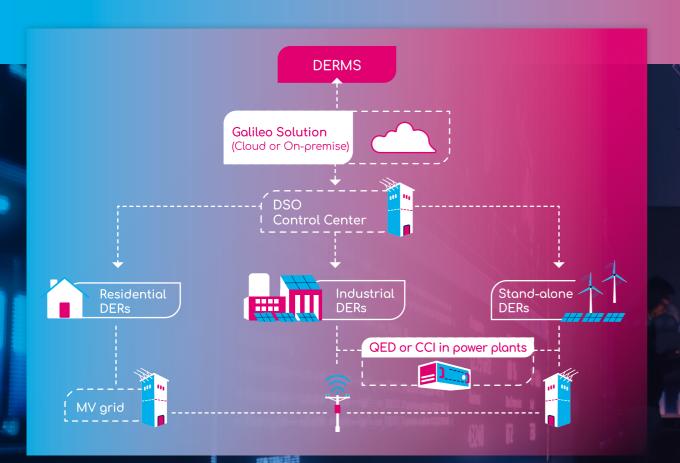
## THE SOLUTION

Galileo - Unlocking the Full Potential of DERs.

Galileo is a groundbreaking platform that enables observability of DERs connected to the MV grid and facilitates the communication of the related information to TSO in near real time. It manages the direct measurements regarding the power plant performance that are acquired by centralized plant controller devices, allowing unmatched observability.



# Architecture and Functionalities



### **RAW DATA EXTRACTION**

Search and visualize raw measures transmitted by each edge monitoring device integrated with the Galileo platform.

#### CHART VISUALIZATION

Visualization of charts for each DSO Control Center, representing partial availability KPIs (one sample each 10 minutes) calculated for the Galileo platform and TSO channels.

# KPI VISUALIZATION AND MONITORING

Search and visualize historical KPIs (daily, monthly and yearly) availability calculated for the Galileo platform and TSO channels.

#### ALARM FLAG FOR SUB-THRESHOLD PERFORMANCE

Each KPI has a flag alarm associated in case the value is below the configured thresholds.

# Experience the Power of Galileo Today!

### **Enhanced Observability**

Real-time insights into the performance of your DERs. Increased observability allows you to make data-driven decisions and to respond quickly to changes.



## Regulatory Compliance

Galileo assists power plant operators in meeting regulatory requirements related to DER monitoring and to reporting. Galileo ensures compliance, reducing regulatory risks and associated penalties.

## Maximized Renewable Energy Utilization

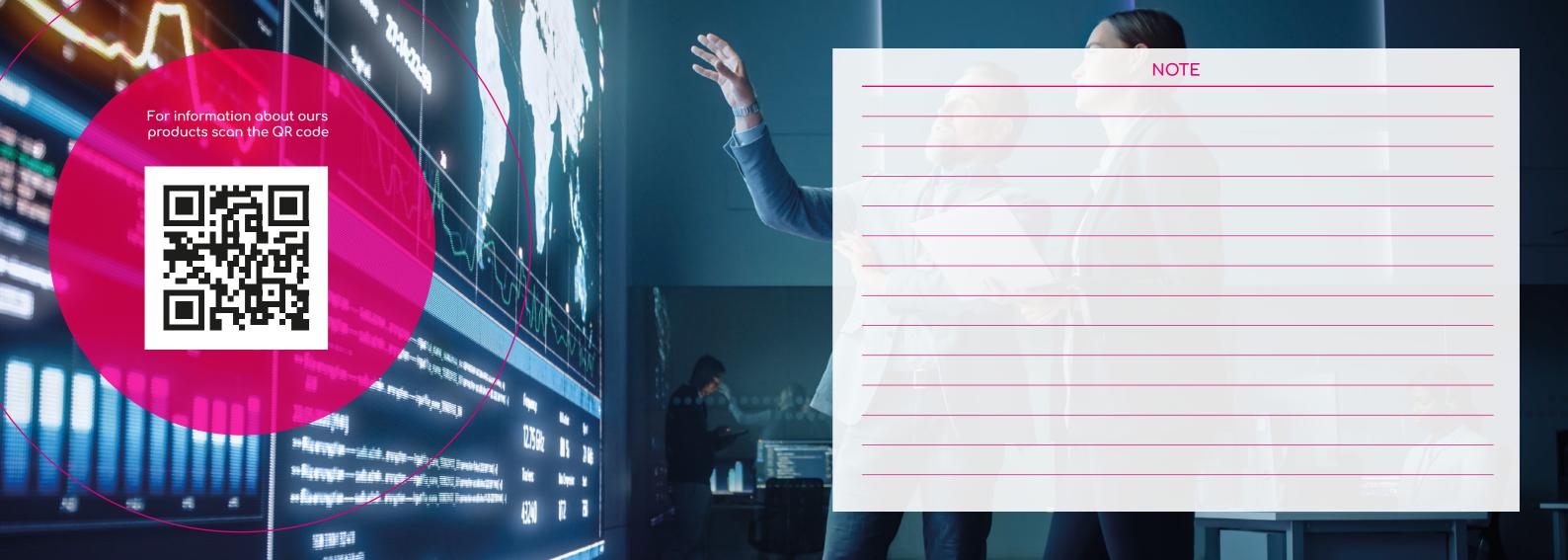
Galileo's advanced analytics capabilities enable to optimize the use of distributed energy resources. By analyzing historical trends, Galileo helps forecast future energy generation, enabling informed decisions regarding energy dispatch and load balancing. This results in maximized renewable energy utilization and minimized curtailment.

Join the forefront of the energy revolution with Galileo and unlock the full potential of your distributed energy resources.

Seamlessly integrate, monitor, and optimize your power plant performance while ensuring grid stability and maximizing renewable energy utilization.

Let's accelerate your electric future together.

Contact us today to learn more about Galileo and how it can transform your energy management strategy.



Are you ready for the electric future?

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