



About inavitas

inavitas is the leading technology provider in the sector, and it has been providing smart energy monitoring and management solutions since its establishment in 2012.

Its advanced energy intelligence platform provides end-to-end solutions at all points, from electricity generation to the end consumer.

Being among the fastest growing companies in the sector with more than 20 years of expert experience and increasing R&D investments every year, it is one of the global leaders of the industry with different collaborations and sales channels in global markets.

For a sustainable world!

We contribute to sustainable future goals by accelerating digital transformation and increasing efficiency at every stage of energy management.

Power Plant Controller (PPC)

The Power Plant Controller (PPC) integrates and manages all components of a renewable power plant to ensure energy production with maximum efficiency.

PPC improves system performance and minimizes failures and efficiency losses by monitoring power generation processes in real-time. It also ensures continuous and reliable energy production by automatically adjusting according to energy demand and environmental conditions.

In this way, energy from renewable energy sources can be used more efficiently and contribute to sustainable energy goals.

inavitas Power Plant Controller (PPC);

- Automatically adjusts system settings according to environmental conditions,
- Automatically adjusts production according to energy demand,
- Enables optimization of energy production.

Through a single platform, it helps;

- Instant monitoring and analysis of system performance,
- Quick detecting and resolving possible failures,
- Analyzing production data and creating detailed reports.

Asset Performance Management (APM)

- Asset performance management is the process of proactively and continuously operating, maintaining, and optimizing renewable systems to maximize their performance and return on investment.
- To ensure optimal technical and financial performance, all owned assets need to be monitored from a centralized platform.
- By tracking metrics such as performance ratios, different assets in the portfolio can be easily compared.
- By taking quick action, performance improves, and investment returns are optimized.

Asset Performance Management (APM) System helps;

- Real-time monitoring of the entire portfolio,
- Optimizing maintenance practices,
- Extending the life of critical equipment,
- Minimizing downtime for operational efficiency on a single platform.

Energy Management System

An Energy Management System (EMS);

is designed to optimize the processes of energy generation, storage, and consumption to enhance energy efficiency.

It is used to monitor, analyze, and manage energy flow.

Main objectives

Optimize energy usage, reduce energy costs, utilize energy resources more effectively, minimize environmental impact

Applications

Building/factory energy management

Power plant energy management

Microgrids

inavitas Energy Management System (EMS);

- Provides real-time monitoring of the portfolio,
- Optimizes battery storage to handle surpluses from renewable sources,
- Manages energy use during high-cost periods and stores during low-cost times,
- Balances production and consumption to improve operational efficiency,
- Adapts to energy price fluctuations for cost savings and effective resource management.

Central SCADA

The SCADA (Supervisory Control and Data Acquisition) system provides centralized control and monitoring of power generation processes in renewable energy generation plants.

Thanks to its real-time data collection and analysis capabilities, it continuously monitors the performance of power generation equipment and quickly detects malfunctions.

In addition, the system ensures grid compatibility of the power plant by automatically adjusting energy production.

By balancing production according to energy demand, it provides an efficient energy flow that is compatible with the grid. Therefore, it contributes to optimizing power plant performance.