

# NEXUS MONITOR<sup>®</sup>

## INDUSTRIAL ENERGY MANAGEMENT SYSTEM

Enabling real-time energy consumption monitoring, management, and diagnostics solutions for commercial & industrial environments.



## About Us

Nexus Analytica is a group of international experts who deeply understand the roots behind the digitalization worldwide trend and how it disrupts the energy and industrial sectors.

Our key competence areas involve **the Internet of Things (IoT), smart grids, advanced metering infrastructures, deep data analytics, smart cities, and distributed generation.**

Our key expertise covers a wide spectrum of areas in the energy sector, such as energy markets and economics, energy policy and regulations, energy management, smart buildings and e-mobility, and integration of distributed energy resources (DER) into the utility grid.

We provide all our customers with Quality of service (QoS), customer engagement and awareness, in addition to data management. Our consulting services entail coaching entities on performance optimization, organizational restructuring in new deregulated markets, and generating new revenue streams.

We use our deep understanding of energy markets and systems to promote sustainability for our clients, while meeting environmental targets and climate protection.

## Nexus Monitor Key Features

**Nexus Monitor** is a unique AI-powered energy management platform, which collects and analyzes accurate real-time data from **IoT sensors** placed strategically within an organization. These sensors could be electricity monitors installed on **HVAC (heating, ventilation and air-conditioning)** systems, **natural gas meters** installed on boilers, or **water meters** installed on a production line. The system highlights areas of energy inefficiency and provides solutions for increasing efficiency, reducing cost and improving sustainability.

**Nexus Monitor** provides the following key features:



### Integrated System for All Sensor Data

Single platform for all IoT sensor types, such as temperature, humidity, electricity, water, gas, pulse, analogue & more.



### Condition Monitoring Platform

Immediate feedback on the status of hardware assets operation, warnings, alarms, and faults.



### AI-Based Reporting

Automatic report generation and detailed analyses for the selected assets.



### Prediction

Prediction of potential failures and hardware performance and malfunction using AI and Machine Learning.

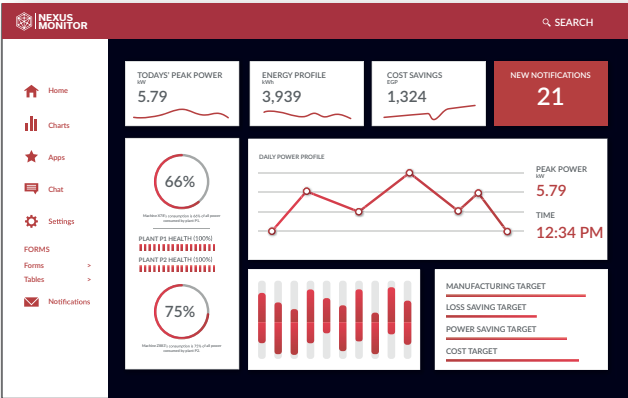


### Secured System

Local server placed inside internal premises manages all data storage and handling, which is decoupled from the cloud.

# Dashboard Overview

**Nexus Monitor** provides detailed information about the farm's health, power consumption, and subsequent costs. Overall instantaneous and historical consumption KPIs, in addition to detailed analytics for each manufacturing plant, can all be seen in a glance.



**Nexus Monitor** provides analytics on multiple levels of the manufacturing plant as follows:

- Plant-Level Analytics**  
Consumption metrics and KPIs are shown for each manufacturing plant, allowing easy comparison between each plant.
- Device-Level Analytics**  
Real-time power consumption profile for each machine is provided to easily detect faults and abnormalities.
- Component-Level Analytics**  
Real-time and historical readings on machine components are provided for easy operation and maintenance.

# Added Value to Customer

**Nexus Monitor** provides our client with multiple advantages and benefits:

- 1 Integrated View for All Sites at a Glance**  
Consumption across multiple devices and factory sites can be easily monitored and compared at a single glance.
- 2 Ease of Deployment and Scalability**  
Our system is easily deployed with virtually no disruption to regular operations, and can be smoothly expanded in future plant upgrades.
- 3 Minimize Losses & Increase Revenue Streams**  
Energy losses are minimized through consistent fault monitoring and prevention, which reduces cost of the plant's energy bill.

# Available Plans & Features

**Nexus Monitor** allows for flexible and affordable pricing tailor-designed to the clients' needs.

	Basic	Basic Plus	Advanced	Premium
<b>Number of Plants</b> Choose your ideal plan based on the number of industrial plants you would like to monitor.	1	3	5	Unlimited
<b>Utility and Sensor Data</b> Integration of utility, sensor, and smart meter data from a variety of sources, such as energy, water, and gas.	✓	✓	✓	✓
<b>Automated Reports</b> Analysis and comparison of energy consumption and costs and automatically generate reports for dissemination.	✓	✓	✓	✓
<b>Alerts and Notifications</b> You are automatically notified as soon as cost or consumption deviate from standard patterns.	✓	✓	✓	✓
<b>Initial Training Session</b> An initial training session dedicated to getting you started with Nexus Monitor.	✓	✓	✓	✓
<b>Abnormal Trend Prediction</b> Nexus Monitor's AI engine compares your energy usage against expected patterns and alerts you when your consumption deviates from normal estimates.	×	✓	✓	✓
<b>Customized Branding</b> Brand your platform environment with your company's corporate details, colours, and logo.	×	×	✓	✓
<b>Dedicated Helpdesk</b> Team of experts specifically dedicated to troubleshoot technical issues, in addition to onsite help when needed.	×	×	✓	✓
<b>Monthly Training</b> Training sessions are available every month at your disposal to train new staff and/or explain new features.	×	×	3 hours monthly	6 hours monthly
<b>Site Visits</b> Up to 2 visits per month to provide clients with on-site support, such as technical support, data interpretation, and/or additional trainings.	×	×	×	Up to 2 visits monthly

