

A MESSAGE FROM OUR CEO

Intelligence for every electrical asset

MonitEasy AI-Powered Distributed Energy Resources Management System

At MonitEasy, our mission is to help utilities and industries move from reactive maintenance to intelligent, predictive operations. Our AI-powered DERMS unifies real-time asset monitoring, fault detection, health indexing, energy optimization and remote diagnostics—turning operational data into timely decisions that protect reliability, safety and performance.

Mohan Dasari

CEO, MonitEasy Technologies Private Limited
www.moniteasy.com | Monitor – Predict – Optimize – Manage

ONE CONNECTED INTELLIGENCE LAYER



MONITOR

Real-time electrical asset visibility



PREDICT

AI diagnostics and failure-risk insight



OPTIMIZE

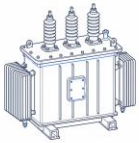
Energy, maintenance and lifecycle performance



MANAGE

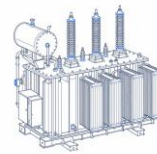
Multi-site assets from one platform

MonitEasy DERMS is an AI-powered platform for remotely monitoring, predicting, optimizing, and managing critical electrical infrastructure and distributed energy resources.



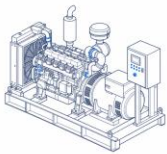
DTHMS — Distribution Transformer Health Monitoring

Load, voltage, current, oil temperature, winding condition, thermal risk, and fault alerts



PTHMS — Power Transformer Health Monitoring

Live health index, predictive diagnostics, secure connectivity, and SCADA integration



DGHMS — Diesel Generator Health Monitoring

Electrical performance, runtime, fuel level, engine condition, efficiency, and fault alerts



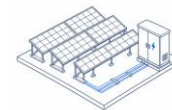
IMHMS — Industrial Motor Health Monitoring

Vibration, current signature, temperature, loading, and motor health index



SGMS — Switchgear Monitoring System

Temperature, electrical parameters, power quality, equipment health, and safety alerts



SPHMS — Solar Plant Health Monitoring

Generation, inverter performance, efficiency, faults, and lost-energy detection



BESS PMS — Battery Energy Storage System — Platform Monitoring System

State of charge, temperature, health index, lifecycle analytics, and performance optimization

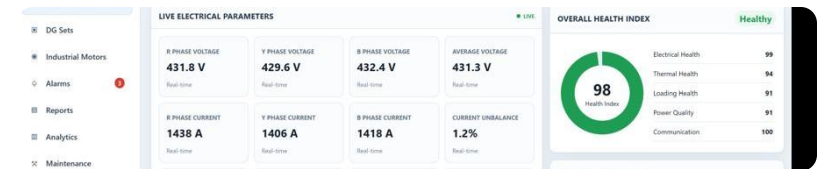
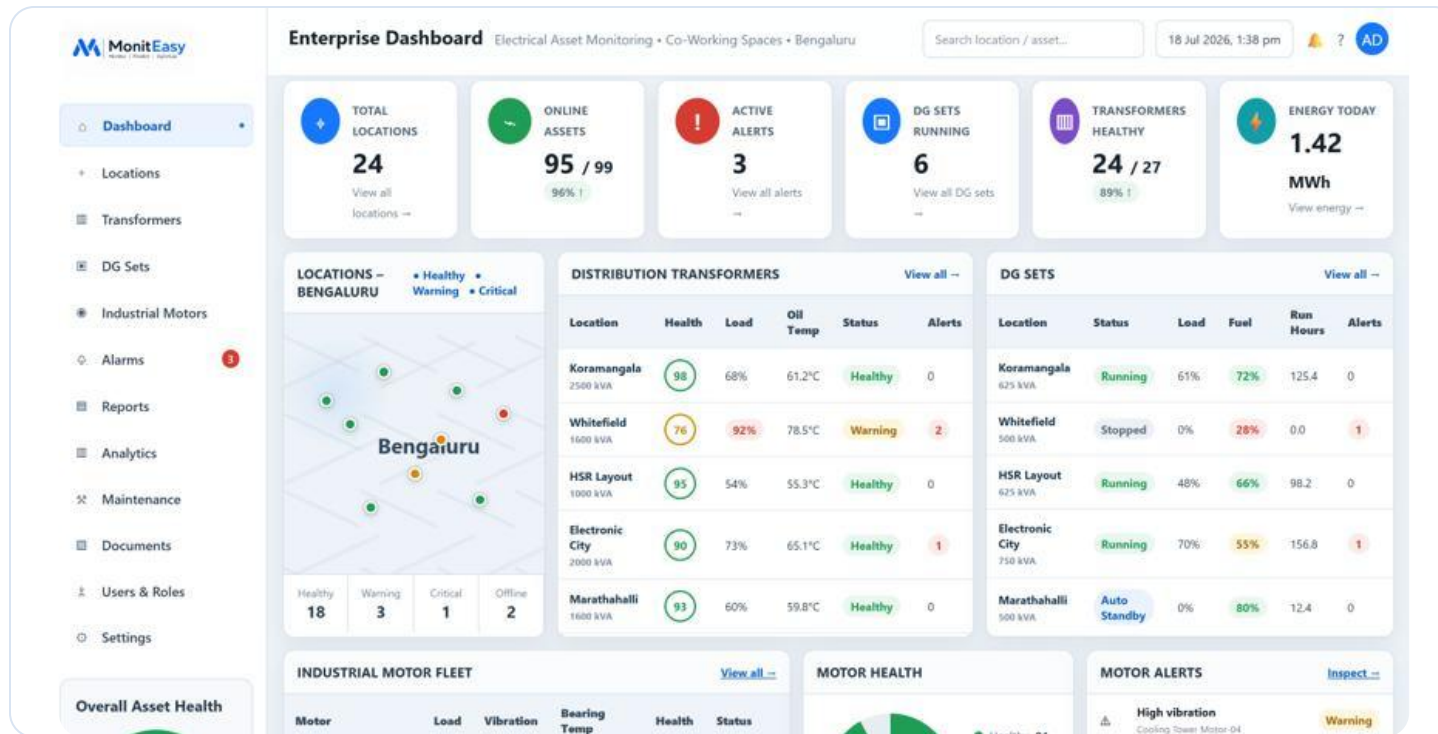
MONITEASY PLATFORM

Real-time monitoring • Predictive analytics • Asset health indexing
Instant alerts • Energy optimization • IoT and SCADA integration

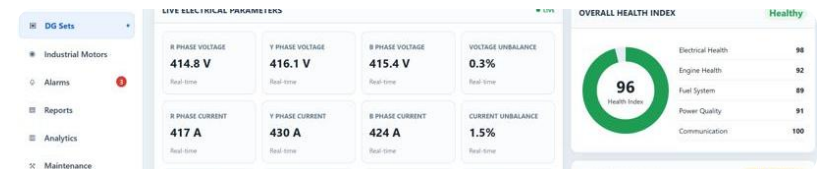
UNIFIED OPERATIONS

One platform. Every electrical asset.

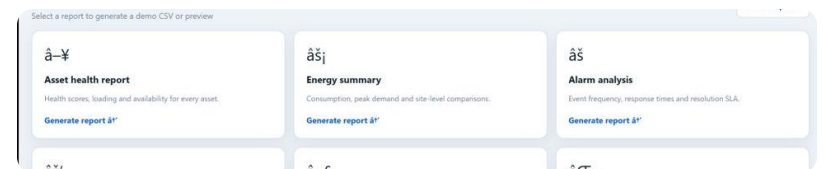
From enterprise fleet visibility to asset-level diagnostics and operational reports.



TRANSFORMER DETAIL



DG SET DETAIL



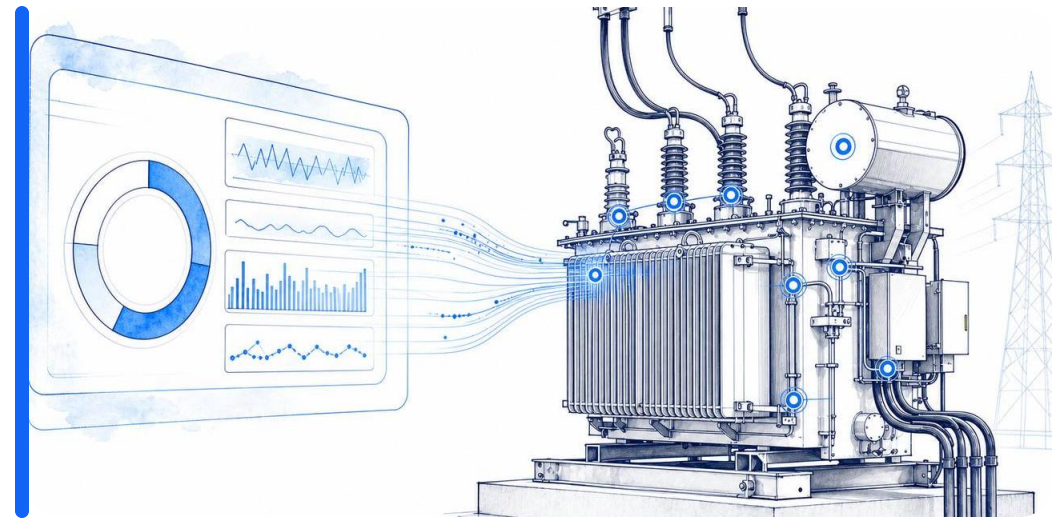
CENTRALIZED VISIBILITY • LIVE HEALTH INDEXING • ACTIONABLE ALERTS

DTHMS · DISTRIBUTION TRANSFORMER HEALTH MONITORING

AI-powered distribution transformer intelligence

Prevent the failure before it becomes an outage

Overheating, overload, imbalance, loose terminations, oil degradation and insulation deterioration usually develop before a transformer fails. Continuous online monitoring turns those warning signs into timely maintenance action.



KEY PARAMETERS

- HT/LT voltage, phase currents and load %
- Active, reactive and apparent power; PF
- Oil, winding and ambient temperature
- Energy, frequency, unbalance and THD
- Optional oil level, moisture and lug temperature

AI ANALYTICS

- Health Index and failure-risk score
- Thermal ageing and remaining-life estimate
- Overload and abnormal-loading prediction
- Energy-loss analytics
- Predictive maintenance alerts

BUSINESS BENEFITS

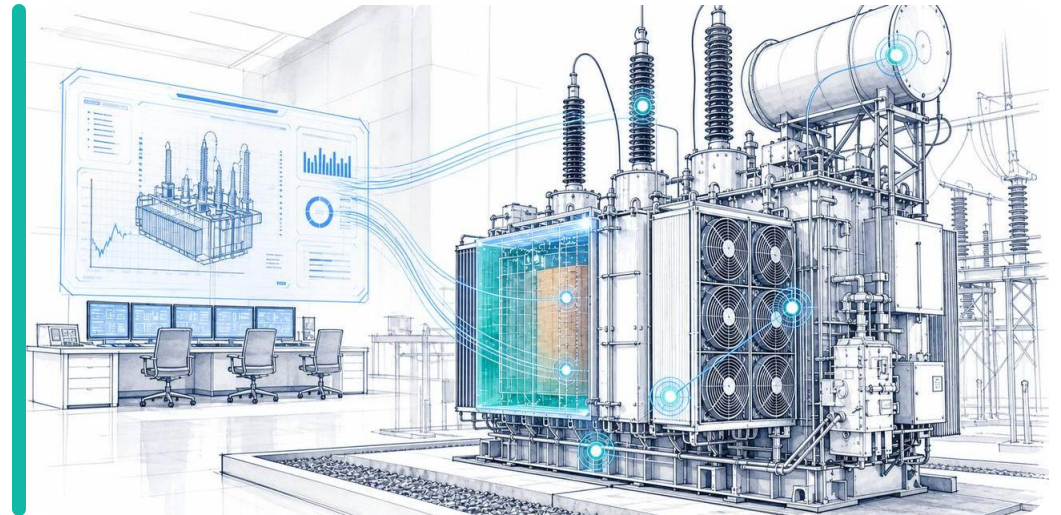
- Reduce unexpected failures
- Increase transformer service life
- Lower field-maintenance cost
- Improve SAIDI and SAIFI
- Monitor large fleets remotely

PTHMS · POWER TRANSFORMER HEALTH MONITORING

Continuous intelligence for high-value assets

Condition, thermal and cooling intelligence in one operating view

Power transformers are among the highest-value substation and industrial assets. Continuous monitoring protects capital investment by exposing thermal stress, cooling weakness, insulation degradation and abnormal loading before a prolonged outage.



KEY PARAMETERS

- HV/LV voltage, current and load profile
- Top/bottom oil, winding and hotspot temperature
- Cooling fan status, OLTC position and oil level
- Moisture, bushing temperature and ambient
- DGA and partial-discharge integration

INTELLIGENT ANALYTICS

- IEEE/IEC thermal and dynamic loading models
- Health Index, RUL and hotspot prediction
- Cooling-efficiency and overload analysis
- Fleet benchmarking
- Secure live diagnostics

BUSINESS BENEFITS

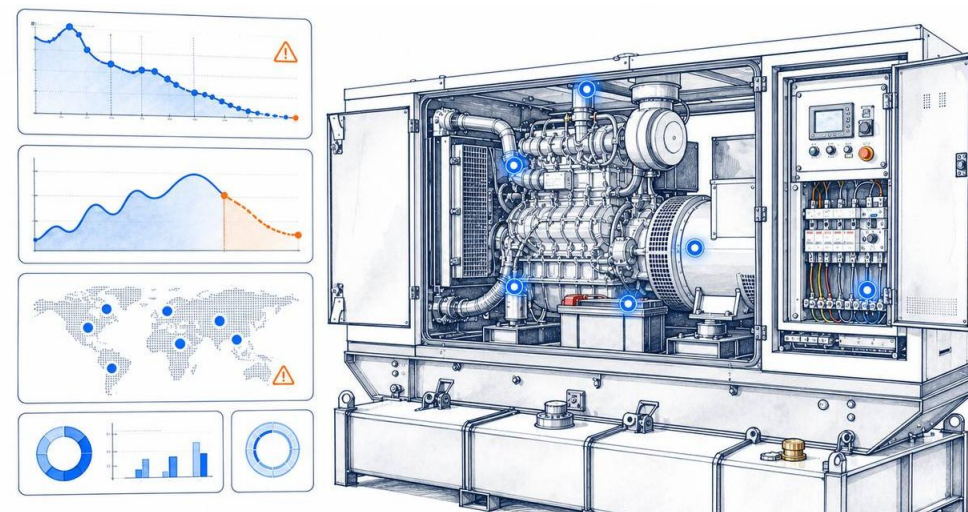
- Extend transformer life
- Predict insulation degradation
- Improve grid reliability
- Prevent catastrophic failures
- Integrate with enterprise operations

DGHMS • DG SET MONITORING SYSTEM

Intelligent diesel-generator monitoring

Make fuel, runtime and readiness fully accountable

Fuel pilferage, battery failure, low coolant, high engine temperature and inefficient loading can leave standby generation unavailable when it matters most. DGHMS turns every run and refill into a traceable operating record.



KEY PARAMETERS

- Voltage, current, frequency, power, PF and load
- RPM, coolant, oil pressure and lube-oil temp.
- Battery, alternator temperature and run-hours
- Fuel level, consumption, refill and theft detection
- Mode, start/stop, alarms and maintenance schedule

AI ANALYTICS

- Fuel-consumption and runtime optimization
- Remaining-fuel estimation
- Predictive maintenance
- Maintenance-due prediction
- Automatic alert escalation

BUSINESS BENEFITS

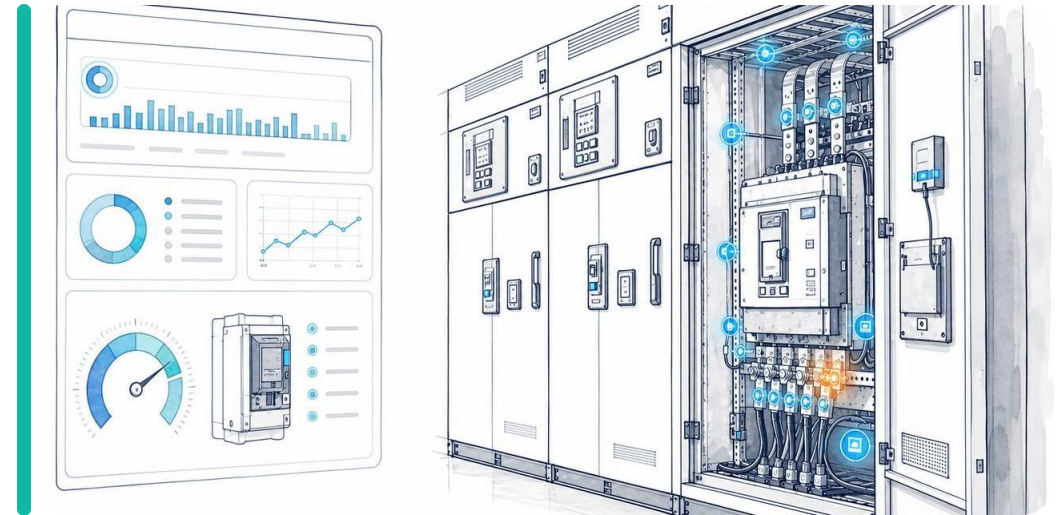
- Prevent fuel theft
- Reduce maintenance cost
- Improve DG availability
- Optimize fuel efficiency
- Monitor multi-site fleets remotely

SGMS · SMART SWITCHGEAR MONITORING

Intelligent protection for critical electrical infrastructure

Expose heat, insulation and contact risk early

Switchgear faults often begin with overheating, loose connections, contact wear, insulation weakness or harsh environmental conditions. Continuous monitoring strengthens safety and enables maintenance before protection is tested.



KEY PARAMETERS

- Voltage, current, power, energy, frequency and PF
- Busbar, cable-joint, breaker and contact temperature
- Humidity, ambient temperature and water leakage
- Door state, breaker operations and trip history
- Relay, arc-flash, PD and SF6 integration

AI ANALYTICS

- Hotspot and contact-degradation detection
- Thermal-trend analysis
- Arc-flash risk assessment
- Predictive failure alerts
- Switchgear Health Index

BUSINESS BENEFITS

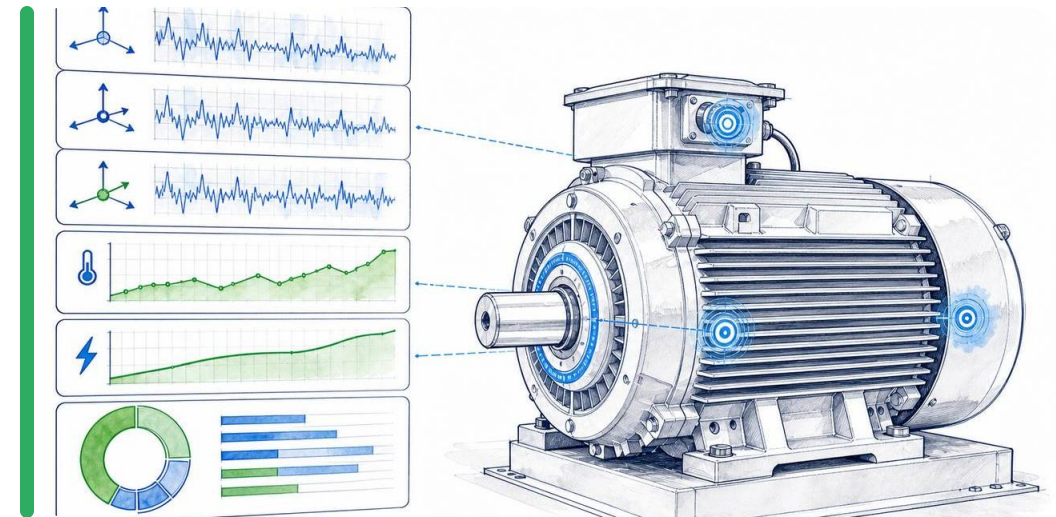
- Prevent electrical fires
- Improve personnel safety
- Minimize downtime
- Reduce maintenance cost
- Increase equipment life

IMHMS • INDUSTRIAL MOTOR HEALTH MONITORING

AI-powered condition monitoring for rotating equipment

Turn degradation into 2–4 weeks of maintenance lead time

Motors drive production and consume a major share of industrial electricity. IMHMS combines electrical, vibration and thermal signatures to expose bearing wear, misalignment, imbalance, overload and declining efficiency.



KEY PARAMETERS

- Voltage/current, power, PF, energy, load and THD
- Vibration on X, Y and Z axes
- Bearing, motor-surface and ambient temperature
- Shaft speed, run-hours and start/stop count
- Duty cycle, efficiency and maintenance history

AI ANALYTICS

- Motor Health Index (0–100) and RUL
- Bearing-failure and misalignment prediction
- Imbalance, looseness and overheating detection
- Energy-efficiency analysis
- Predictive maintenance recommendations

BUSINESS BENEFITS

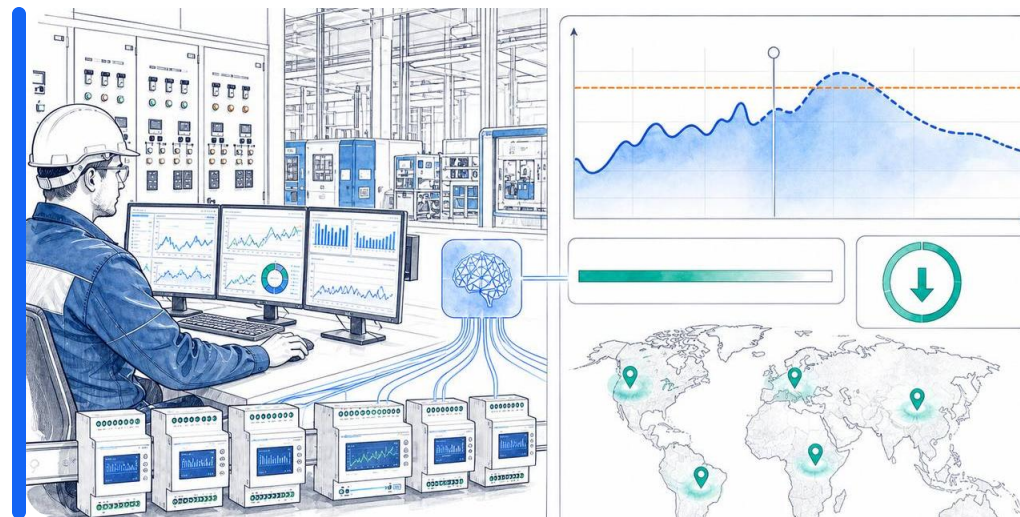
- Reduce unplanned motor failures
- Extend bearing and motor life
- Improve OEE
- Reduce maintenance and spares cost
- Optimize motor energy use

EMARS · AI ENERGY METERING & DEMAND FORECASTING

Transform energy data into intelligent decisions

Forecast demand. Control peaks. Optimize cost.

MonitEasy combines advanced metering with AI-driven forecasting to help industries anticipate maximum demand, shift flexible loads, avoid penalties and improve energy and carbon performance across facilities.



KEY PARAMETERS

- Energy, kVA demand, peak demand and PF
- Harmonics, voltage, current and frequency
- Load curves and feeder-wise energy
- Department-wise and multi-site consumption
- Energy intensity and carbon-emission tracking

AI DEMAND FORECASTING

- Hourly, daily, weekly and monthly forecasts
- Maximum-demand breach prediction
- Weather, schedule and holiday-aware modelling
- Load-shifting and demand-response guidance
- Energy-cost and tariff optimization

BUSINESS BENEFITS

- Reduce maximum-demand charges
- Avoid utility penalties
- Improve energy efficiency
- Support ESG and sustainability goals
- Enable AI-based energy optimization

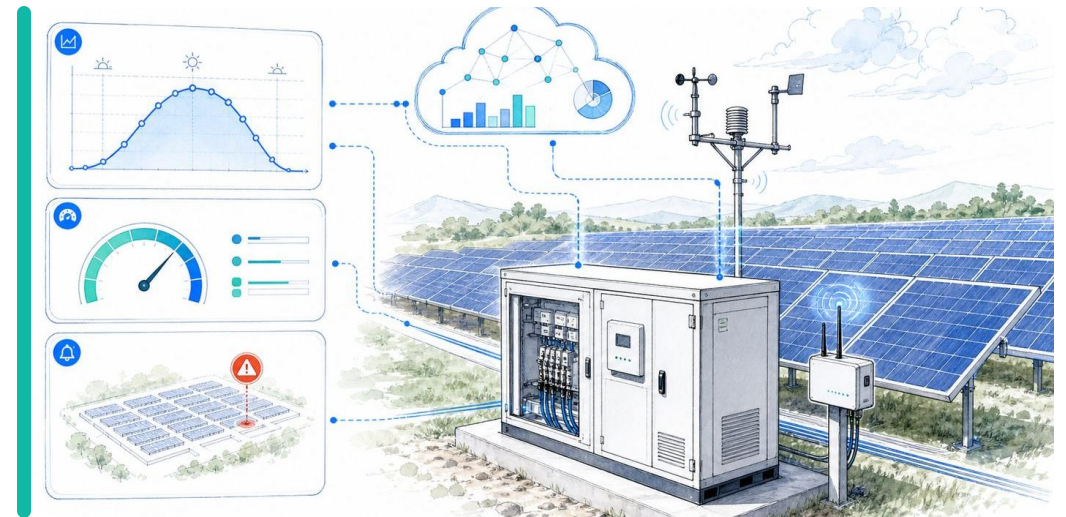
ONE AI PLATFORM · UNLIMITED ELECTRICAL ASSETS

SPHMS • SOLAR POWER GENERATION MONITORING SYSTEM

Intelligent visibility for every solar megawatt

Maximize yield. Detect underperformance. Manage every site.

MonitEasy SPHMS connects plant, inverter, string, meter and weather data in one cloud view. Operators can compare expected and actual generation, isolate loss sources, detect emerging faults and coordinate maintenance across single-site and portfolio-scale solar assets.



KEY PARAMETERS

- Plant, inverter and feeder generation
- DC voltage/current and AC power
- Irradiance, module and ambient temperature
- Performance ratio, specific yield and availability
- Grid import/export and power quality

PERFORMANCE ANALYTICS

- Expected-versus-actual generation analysis
- Inverter and string underperformance detection
- Weather-normalized yield benchmarking
- Fault, trip and communication-loss alerts
- Daily, monthly and portfolio performance trends

BUSINESS BENEFITS

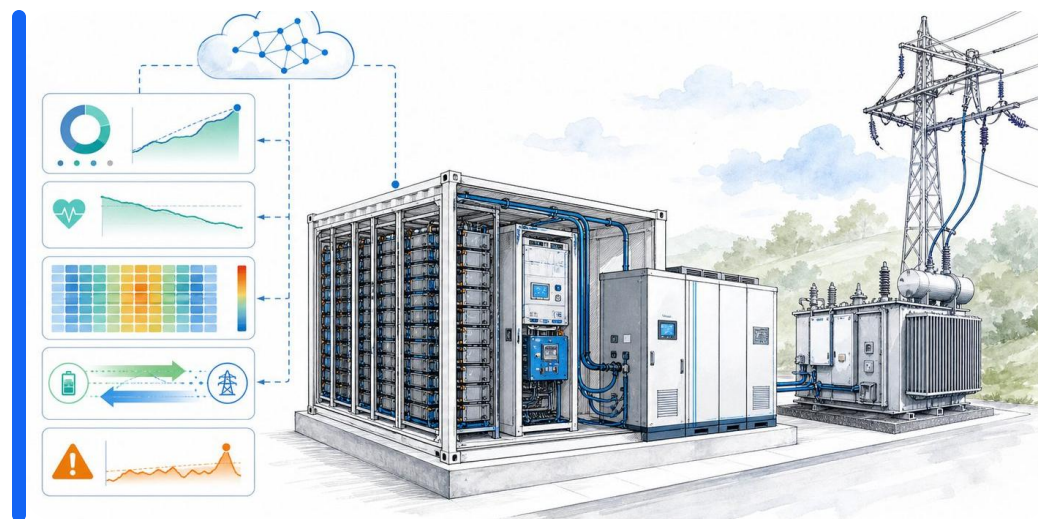
- Maximize generation yield and revenue
- Reduce fault-identification time
- Improve plant availability and O&M planning
- Benchmark sites, inverters and strings
- Centralize multi-plant operations

BESS-PMS · BATTERY ENERGY STORAGE PLATFORM MONITORING

One operating view for the complete BESS plant

Monitor performance. Protect battery life. Optimize dispatch.

MonitEasy BESS-PMS unifies battery racks, BMS, PCS, transformer, protection, grid interface and auxiliary systems. Live asset visibility, battery-health analytics and predictive insight help operators improve availability, round-trip efficiency and lifecycle performance across single or multi-site storage portfolios.



KEY PARAMETERS

- SOC, SOH, voltage, current and battery power
- Cell voltage, balancing and temperature distribution
- AC/DC power, grid import/export and frequency
- Round-trip efficiency, cycles and capacity utilization
- PCS, transformer, HVAC, fire and protection status

BATTERY INTELLIGENCE

- Degradation, capacity-fade and voltage-deviation trends
- Thermal hotspot and early-fault detection
- Equipment health scoring and root-cause analysis
- Charge/discharge and peak-shaving optimization
- Predictive maintenance and future RUL analytics

BUSINESS BENEFITS

- Extend battery life and improve availability
- Increase round-trip efficiency
- Integrate vendor-independent BMS, PCS, EMS and SCADA
- Securely monitor single or multi-site BESS fleets
- Support renewable integration and demand balancing

Thank you

**One AI Platform. Unlimited Electrical Assets.
Real-Time Intelligence for Industry 5.0.**

Let's connect your critical assets to a unified monitoring, predictive-maintenance and energy-intelligence platform.

BOOK A DEMO · DISCUSS A PILOT · CONNECT YOUR ASSETS

REACH OUT

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