GoDigital EMS+

AI-Powered Energy Optimization for Smarter, Greener Manufacturing

AI Energy Intelligence That Drives Efficiency & Sustainability

Rising energy costs, sustainability demands, and complex production schedules make t**raditional energy management insufficient for modern factories.**

GoDigital EMS+ transforms real-time energy data into actionable insights. By combining AI analytics, automated alerts, and maximum demand management, it enables manufacturers to achieve lower energy costs, improved productivity, and stronger ESG compliance — all in one system.

Benefit	Description
AI-Driven Energy Optimization	Continuously analyzes energy usage patterns to reduce waste and optimize performance.
Real-Time Monitoring & Alerts	Detects abnormal consumption instantly and notifies users through mobile or messaging apps.
Maximum Demand Management	Predicts and manages peak load to prevent costly demand surcharges.
Data-Driven Decision Making	Combines operational and energy data to enable informed efficiency improvements.
Predictive Maintenance Insight	Identifies abnormal power draw from equipment to prevent unplanned downtime.
Enhanced ESG & Sustainability Reporting	Supports carbon tracking and energy transparency for sustainability audits.

System Capabilities

Core Functions:

Real-Time Energy Usage Analysis

Maximum Demand Forecasting & Control

AI-Based Energy Pattern Recognition

Equipment & Load Profiling

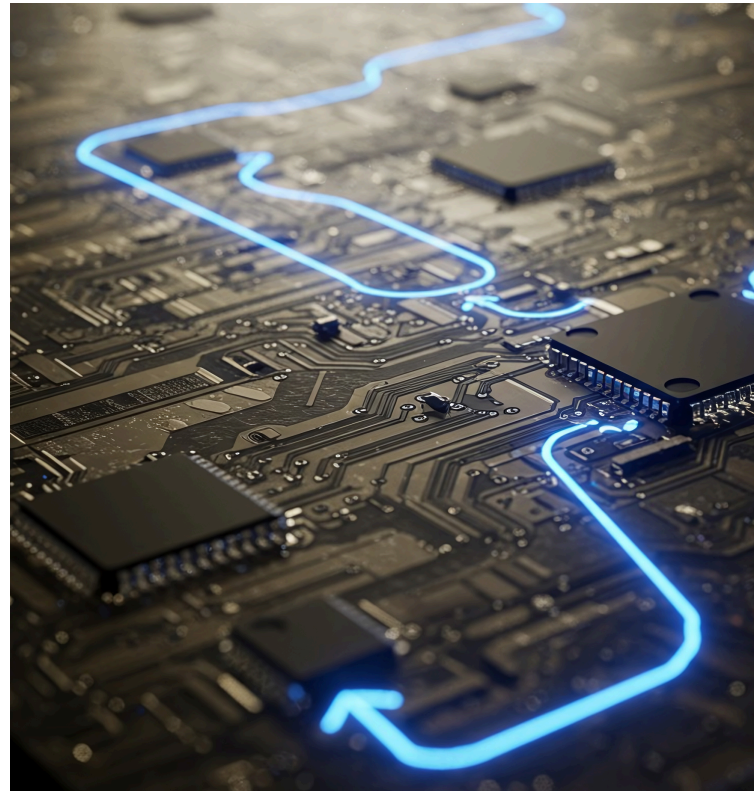Automated Reporting & Trend Analytics

Mobile Notifications & Messaging Integration

The AI Engine Behind GoDigital EMS+

GoDigital EMS+ is powered by **AI algorithms** that learn from your factory's historical and live energy data to identify inefficiencies and predict high-demand periods.

Why It Matters

Unlike traditional EMS platforms, GoDigital EMS+ goes beyond data visualization — it **analyzes, adapts, and optimizes** energy performance continuously.

Key Features

Predictive Analytics: Machine learning models forecast energy usage and detect anomalies early.

Adaptive Optimization: AI continuously improves control logic based on production changes.

Integrated Dashboards: Unified view of energy KPIs, peak alerts, and equipment performance.

Flexible Connectivity: Compatible with existing SCADA, PLC, and historian systems.

Secure Cloud or On-Premise Deployment: Scalable architecture for any manufacturing environment.

CTI as Your System Integrator

CTI Resources Sdn Bhd, Malaysia's leading industrial automation and digital transformation specialist, integrates **GoDigital EMS+** seamlessly into your plant ecosystem.
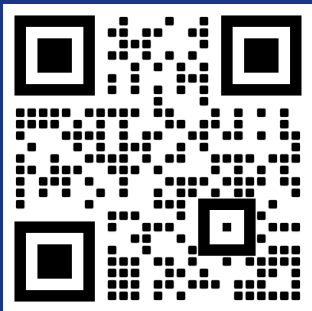
With over 20 years of experience in SCADA, energy management, and industrial systems, CTI ensures your EMS implementation delivers measurable results — not just dashboards.

Service	Scope
Site Study & Energy Data Analysis	Identify key energy users and consumption baselines.
System Design & Integration	Connect energy meters, sensors, and control equipment to centralized monitoring.
AI Configuration & Optimization	Deploy and tune AI models for accurate forecasting and decision support.
Installation & Commissioning	Ensure stable system operation with minimal production disruption.
Continuous Improvement Support	Regular reviews and optimization to sustain energy savings.

Result: A fully integrated, AI-powered energy management system that reduces cost, boosts performance, and supports long-term sustainability.

Start Your Journey to Smart Energy Optimization

Let our experts help you analyze your energy profile and implement a solution that delivers immediate ROI.

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