

Dakshiya Enterprises | energyly

Intelligent Energy Monitoring System

Monitor, Analyze, and Optimize your industrial energy consumption with real-time IoT solutions.

ONE SYSTEM. COMPLETE ENERGY VISIBILITY.

System Overview

The Challenge

Industries spend up to 30% of their running cost on energy. Without visibility, inefficiencies go unnoticed, leading to inflated bills and increased carbon footprint.

- ⚠️ Unpredictable energy spikes
- 🚫 Lack of real-time machine-level data
- 🕒 Reactive maintenance

Our Solution

An advanced IoT-based platform providing fundamental and granular control over energy data, empowering data-driven decisions to curb excessive consumption.

- 📈 Real-time 24/7 monitoring
- ☁️ Cloud computing & mobility
- ⚡ Up to 25% reduction in power costs

EB Supply (Grid) Monitoring

Take control of your primary power source before it enters your facility.

Continuous Baseline Tracking: Establish consumption baselines and track real-time usage against utility company billing.

Power Quality Analysis: Monitor critical parameters like Power Factor (PF) and Maximum Demand (MD) to avoid utility penalties.

Anomaly Detection: Instant alerts for voltage fluctuations, frequency drops, or unexpected grid



EB Supply (Facility) Monitoring

Granular Plant Visibility

Move beyond the main meter. Understand exactly where and how energy is consumed within your manufacturing plant or building.

- 📈 **Machine-Level Insights:** Monitor individual 3-phase or single-phase machines via precise CT sensors.
- 🔍 **Identify Inefficiencies:** Pinpoint power-hungry equipment and operational bottlenecks on the shop floor.
- 🔧 **Predictive Maintenance:** Detect deteriorating machine conditions by comparing energy performance against baselines to prevent downtime.



Generator Monitoring

Ensure backup reliability while controlling operational costs and preventing fuel pilferage.

Comprehensive Parameter Tracking: Monitor DG engine operations, battery voltage, and engine temperature remotely.

Fuel Level Management: Track diesel consumption accurately to plan timely refueling and instantly detect suspicious drops in fuel levels.

Efficiency Analysis: Calculate exact cost-per-unit

End-to-End IoT Architecture



Hardware & Software Integration

Smart Wireless Hardware

Plug & Play: Installation time of less than 30 minutes without disrupting operations.

Scalable: Connects to 4 three-phase or 12 single-phase machines (EGLY-12 CH).

Multi-Sensor: Collects data from CTs, temperature, CO2, and pressure sensors.

 Energy monitoring hardware and CT sensors

Core Features & Benefits



Benchmarking

Create baselines and compare equipment performance against reference conditions to track true energy efficiency over time.



Cost Analysis

Uncover cost drivers. Calculate Specific Energy Index to compare machine output against energy consumed for maximum profitability.



Pre-emptive Alerts

Set custom threshold limits. Receive instant alerts for erratic behavior, preventing machine breakdowns and unscheduled downtime.



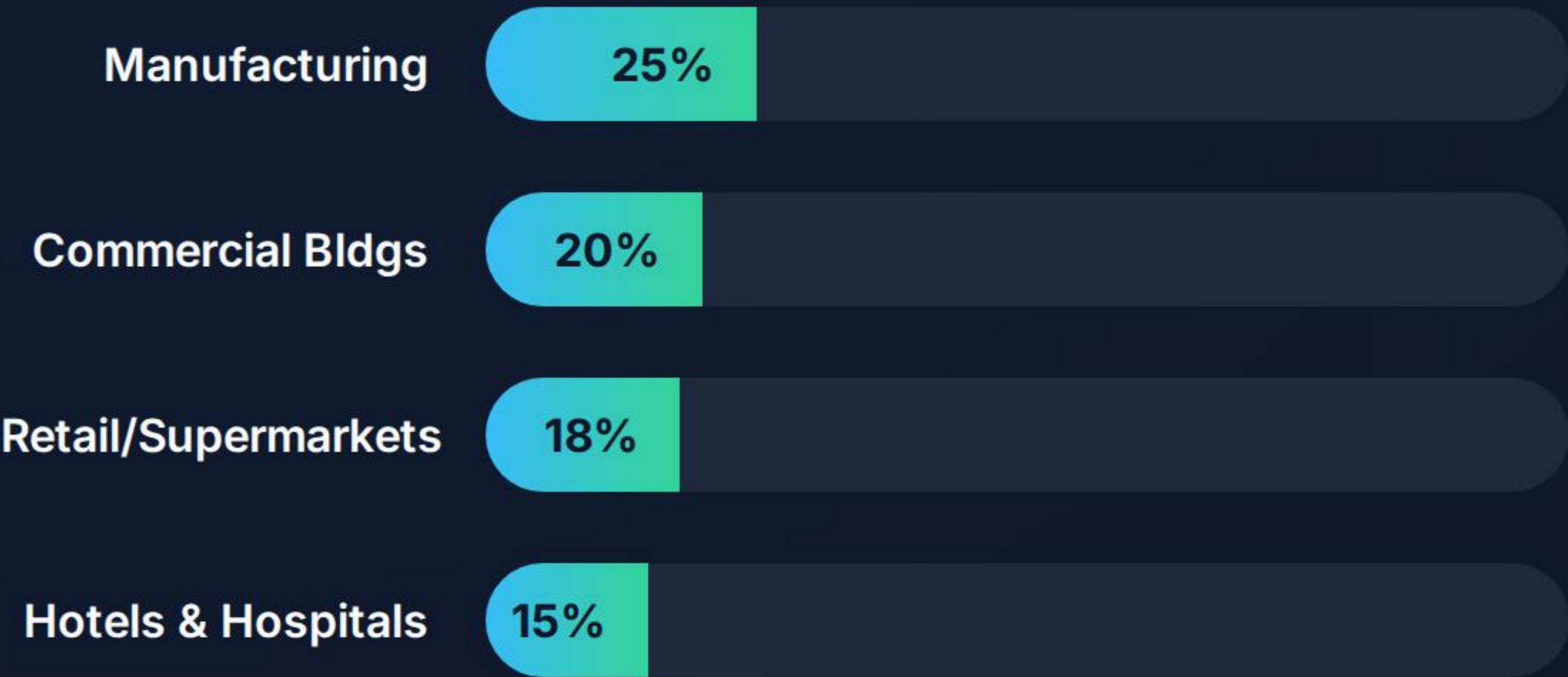
Carbon Footprint

Track emissions resulting from power usage. Support ESG goals and regulatory compliance with automated reporting.

Proven ROI Across Industries

Average Potential Savings

Implementing real-time monitoring directly impacts the bottom line by eliminating wastage.



 Cost savings concept

The Energyly Impact

- 1,500+ Satisfied Clients
- 6,500 MWh Energy Saved
- ₹500 Lakhs Annual Savings generated
- 9,500+ Tonnes CO2 Reduced