

ENLOG

YOUR ENERGY

AI-POWERED ENERGY MANAGEMENT

About **Enlog**

Founded in 2019, Enlog is dedicated to empowering industries with smart electricity management solutions, minimizing wastage, and maximizing savings.

Enlog offers a diverse range of advanced technology products designed to deliver innovative, future-ready solutions for seamless energy management & efficiency.



Pan India Presence



Our Clients

We transform buildings into **energy-smart spaces**, helping clients manage and **save** electricity. For **6** years, we've driven a cost-efficient smart city **ecosystem**.

At Enlog, innovation meets responsibility. By democratizing access to intelligent energy solutions, we bridge the gap between technology and everyday life—turning smart energy management into a force for positive change for businesses, society, and the planet.



Installed
Devices

18000+

Electricity managed
(till date)

19000 MWh

Electricity saved
~ 22%

4000 MWh

Electricity Bills Saved
(till date)

₹ 2.92 Crore

Before
Business Suffers



- ⚠️ Decreasing Appliance health
- ⚠️ Sanction Load fines
- ⚠️ HVAC Problems
- ⚠️ STP overloads
- ⚠️ Power backup costs



Now
Business Thrive



- ✓ Maintaining Appliances health
- ✓ Sanction Load ended
- ✓ HVAC become smart
- ✓ STP optimized
- ✓ Power backup in control

1
We **identify**
the **roots of electricity losses**

2
We **Implement**
Enlog IOT **devices**
on right nodes

3
We Construct **Ecosystem**
To make your electricity usage
self-optimizable with no
human intervention needed

Our **Solution**

SMART DEVICES



Enmate

- Single phase
- Room/Appliance monitoring



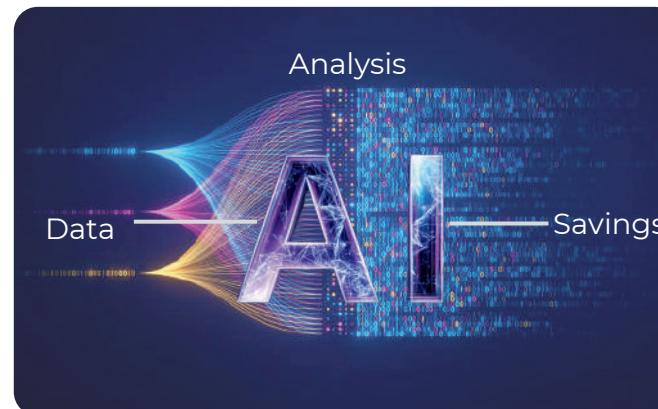
En-Pro

- For LT panel
- Three phase
- Building monitoring

AI-POWERED SYSTEM

ENSYTE -AI

for Energy Intelligence

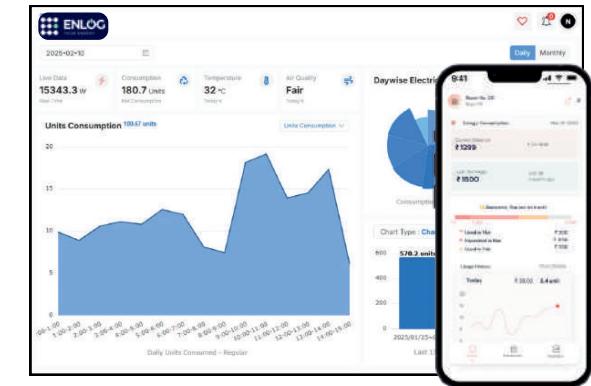


Cloud-based
ML & IoT combination
Awarded for precisions

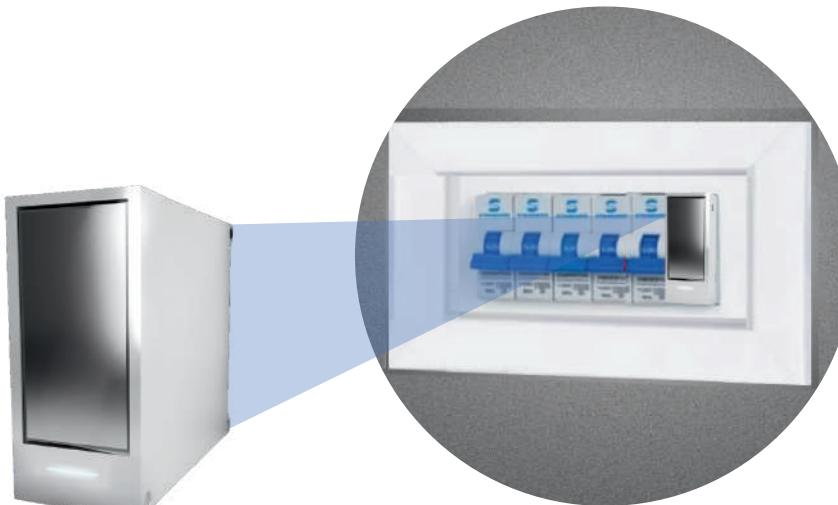
INTERFACE

Enlog Connect

Dashboards & Apps



AI-Powered IoT
Enmate



Delivered average
~22% energy savings

Advanced Electricity Monitoring

Microsecond-precision monitoring with individual load identification for real-time performance.

Integrated Intelligence

Combines electrical and environmental data for a complete understanding of energy usage patterns.

AI-powered, Autonomous

Industry-tested optimization algorithms ensuring reliable, automated energy efficiency **without human interference**.

Appliance Health Diagnostics

Early fault detection through pattern recognition from 19,000+ MWh data for proactive maintenance.

Alerts for Electrical Threats

Protects infrastructure by detecting voltage fluctuations, earthing issues, short-circuits, and current leakage.

COMPACT | HASSLE-FREE | VERSATILE | RELIABLE CONNECTIVITY

Enmate

Certifications



Environmental Safety RoHS, IEC 60068

Electromagnetic Compliance CISPR 11

Product Safety IEC 62368, IEC 60950

Energy Safety IEC 62040

Communication Protocols/Standards Communication Certified



with **6 patents** on
proprietary technology



Proud to be
Made in India

Enlog

EnPro Energy Monitor



LT panel

Specifications

Product Name	EnPro Energy Monitor
Installation	Main Incomer
Channels	1 – 3 Phase
Capacity Per Channel	4000 Amps
Data Points	Current, Voltage, Power Factor, Active Power, Reactive Power, Frequency
Connection	Clamping or Direct
Connectivity	Wi-Fi, Bluetooth, 4G LTE, Ethernet

Features

Monitor electricity
Consumption

Electricity Wastage
detection

Alerts from
electrical threats

Applicable for



Hotels



Offices

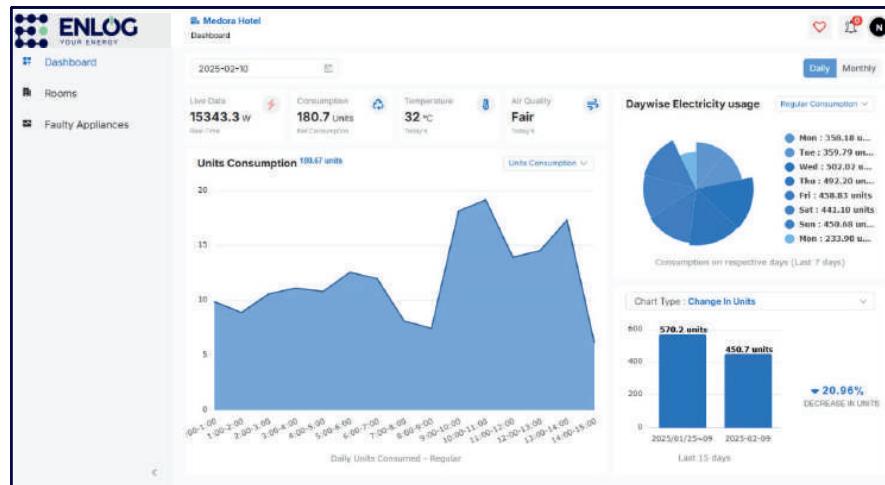


Commercial
buildings



Residential
/Households

Enlog Dashboard & Apps



Real-Time Power Consumption - To form performance matrix

Power Parameters - Active, Apparent, Power factor etc.

Premise / Appliance - Temperature, AQI etc.

Examining Usage - To identifying any unauthorized use

Hospitality Apps - For hotels and rental guests

Rental Apps - For commercial tenants

Maintainance Apps - For Staff & coordinator

Owner Apps - For quick access & alerts



★ 4.8

Ratting on Playstore

Industry

Validated Solution

Commercial Building

Energy Management

Hospitality industry

Energy Management

Manufacturing

Energy Management

Retail store

Energy Management

Key Challenge

Appliance Performance

Large devices like below are prone to lose its efficiency over time

Lifts	Motors	Purifiers	Batteries	Chillers	Machines
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Enlog devices optimize the usage of electricity for such appliances in order to prevent appliance health declination through predictive maintenance, and automated control.

Before

Appliance will work

3 Years

Appliance monthly consumption

100%

After

Appliance will work

5 Years

Appliance monthly consumption

76%



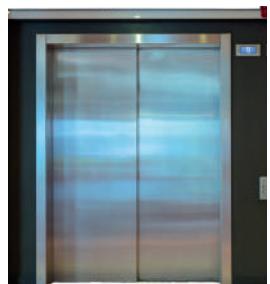
Track- Performance, usage & energy consumption

Detect - Harmonics, voltage spikes, or overloads.

ML models- Predict potential failures in advance.

Automate- power cycles longevity.

BEFORE Assets turning into Scrap



3 servicing missed



Efficiency decreased



Battery draining heavily



Harmonics issue



Compressor 2 efficiency decreasing



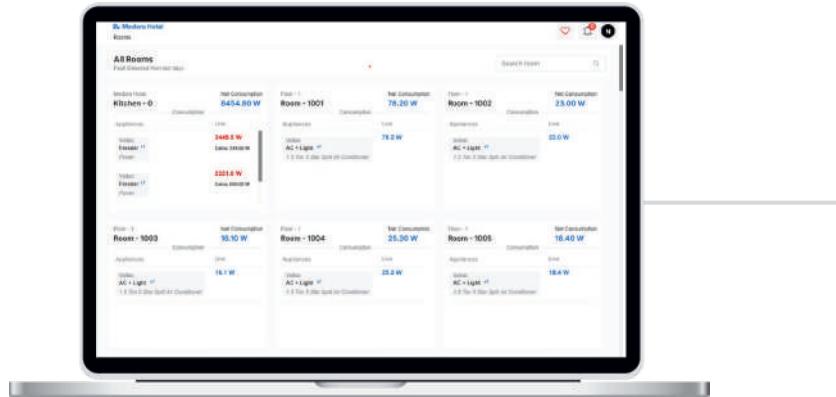
This way appliances last less than **3** years



Let **Enlog** take care of your **investment**

AFTER

The dashboard informs about optimized consumption



Floor 1 - lift 2
Maintenance upcoming



Floor 4 - Motor 4
Harmonics distorting



Floor 7 - Battery 24
Charging Cycles Increased

Key Challenge

HVAC Efficiency & Cost

HVAC systems are the most **expensive** & the highest electricity-**consuming** part of any commercial space, with parts like -



Enlog's intelligent devices leverage advanced Variable Frequency Drive (VFD) integrations and machine learning algorithms to dynamically regulate and optimize HVAC operations in real-time, ensuring energy-efficient performance and reduced operational costs

Before

HVAC efficiency
EER

10

HVAC monthly
consumption

900,000
Units

After

HVAC efficiency
EER

12

HVAC monthly
consumption

702,000
Units



Track- Efficiency of ACs, chillers, and ventilation systems.

Detect - wastage from improper thermostat settings.

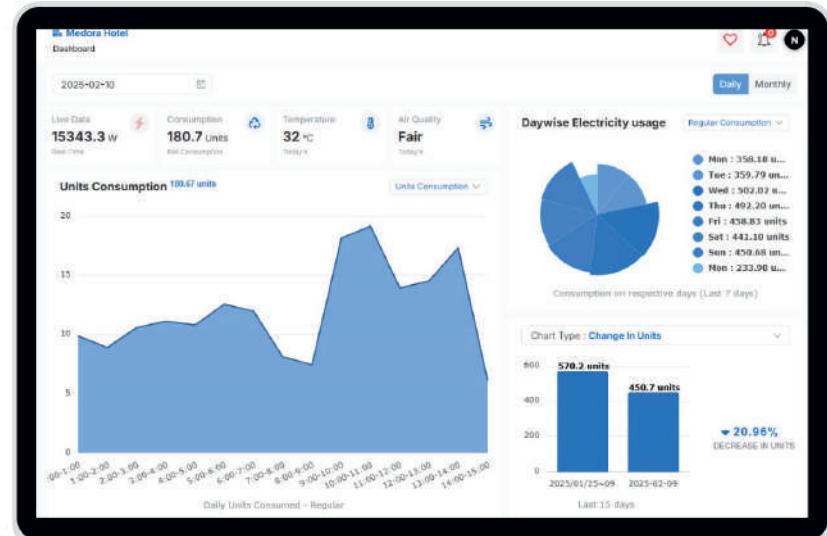
ML models- Distributes cooling loads to prevent overload

Automate- compressor loads, coil freezing, & inefficient airflow.



Don't turn your biggest
investment into a **nightmare**

Make your **HVAC** system **Smart** - with **Enlog**



Motor 3
Motor on 72%
capacity



Thermostat
Temperature
balanced



Air injectors
Controlling
Humidity

Key Challenge

Power backup costs

It is difficult to control power backup cost due to following

Unattended appliances	Fuel theft	Battery degradation	Griding
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Enlog smart management improves the efficiency of your power backup through real-time monitoring, and alerts with the help of IOT and ML.

Before

Battery life

5 Years

Power backup cost

Rs. 56,000

After

Battery life

~5.69 Years

Power backup cost

Rs. 44,800



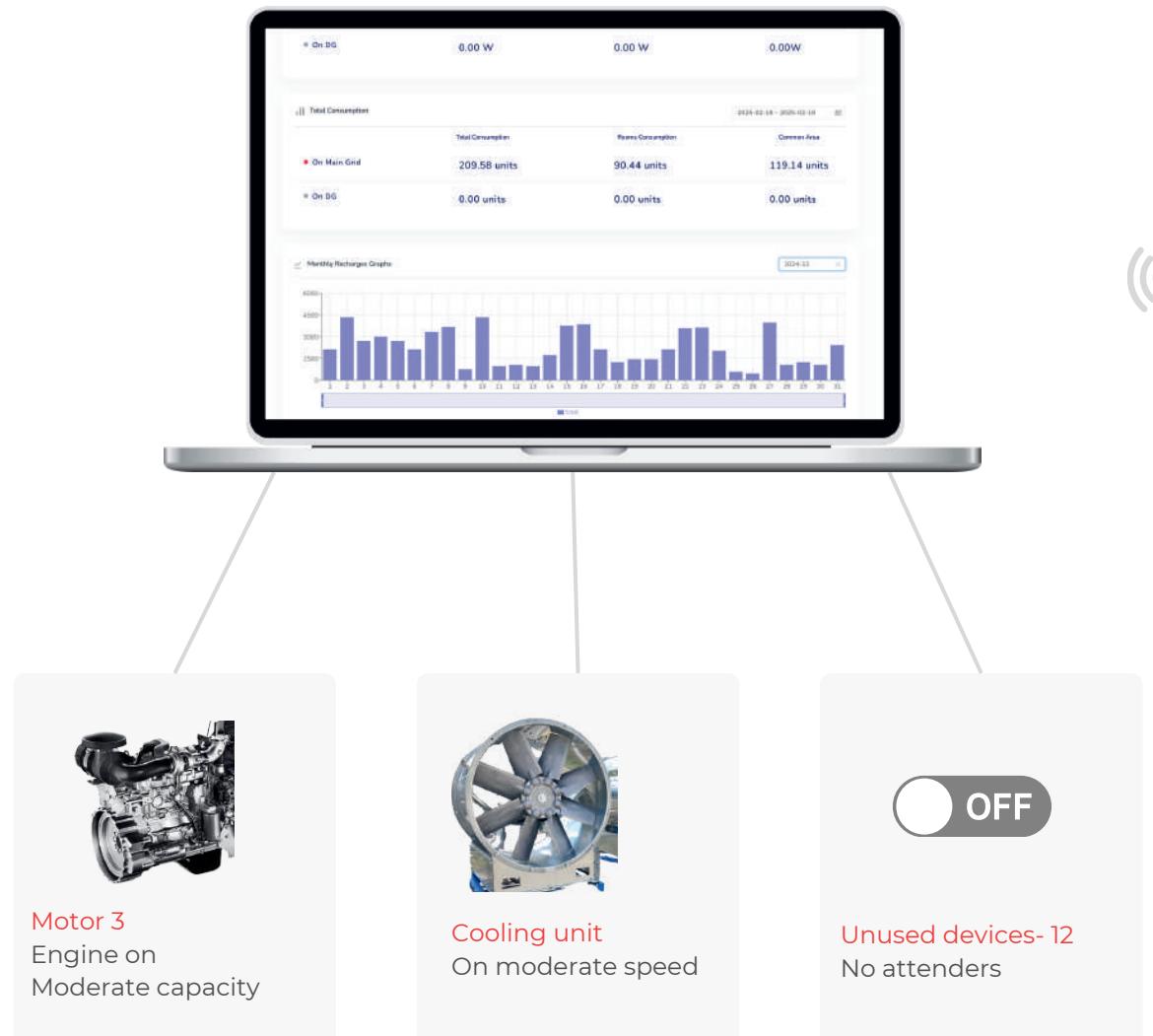
Track- power consumption, load distribution, & battery health.

Detect - voltage fluctuations, overloading, and inefficiencies.

ML models- Controls charging cycles to prevent deep discharge.

Automate- switches between grid, inverter, & generator based on demand.

Make your **Power backup** system efficient with **Enlog**



Key Challenge

Electricity Fines

Due to **unorganized** electricity usage sanction load crosses which leads to

Demand Penalty	Power Factor Penalty	Sanction overload	Higher tariff
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Enlog's smart solutions help businesses stay within their sanctioned load limits while optimizing energy usage through real-time tracking, AI-driven load balancing, and automation.

Before

Sanction load crossed per Month

2 times

Fine cost

Rs. 1 Lakh+

After

Sanction load crossed per Month

No more

Fine cost

0



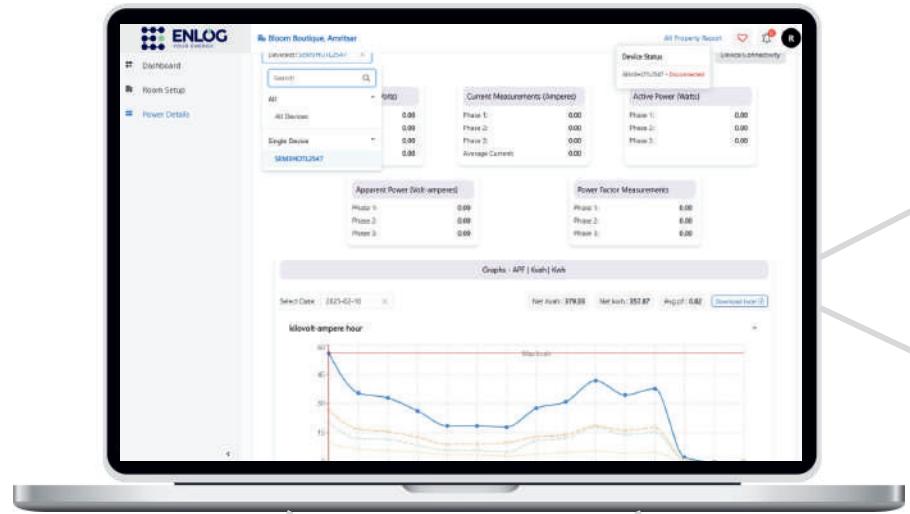
Track- electricity consumption for each device and circuit.

Detect - overload risk by shifting non-essential loads during peak hours.

ML models- machine learning to predict peak demand periods.

Prevent- penalties from DISCOMs due to overconsumption on sanction load.

Stop these **fines** today with **Enlog solution**



 **Apparent Power**
Engine on
Moderate capacity

 **PF Measurements**
Engine on
Moderate capacity

 **Current Measurements**
Engine on
Moderate capacity

 **Threshold Alerts**
Engine on
Moderate capacity



Electricity Fines
turns your **Profits**
into **overhead losses**

Sewage treatment plants

Sewage Treatment Plants (STPs) are energy-intensive, with parts like

Pumps Aerators Blowers Filtration systems

Our smart energy management solutions help reduce costs, optimize power usage, and ensure efficient operations of STP

Before

Wastage treated

15k tons

Energy consumed

8,000 units

After

Wastage treated

20k tons

Energy consumed

7,000 units



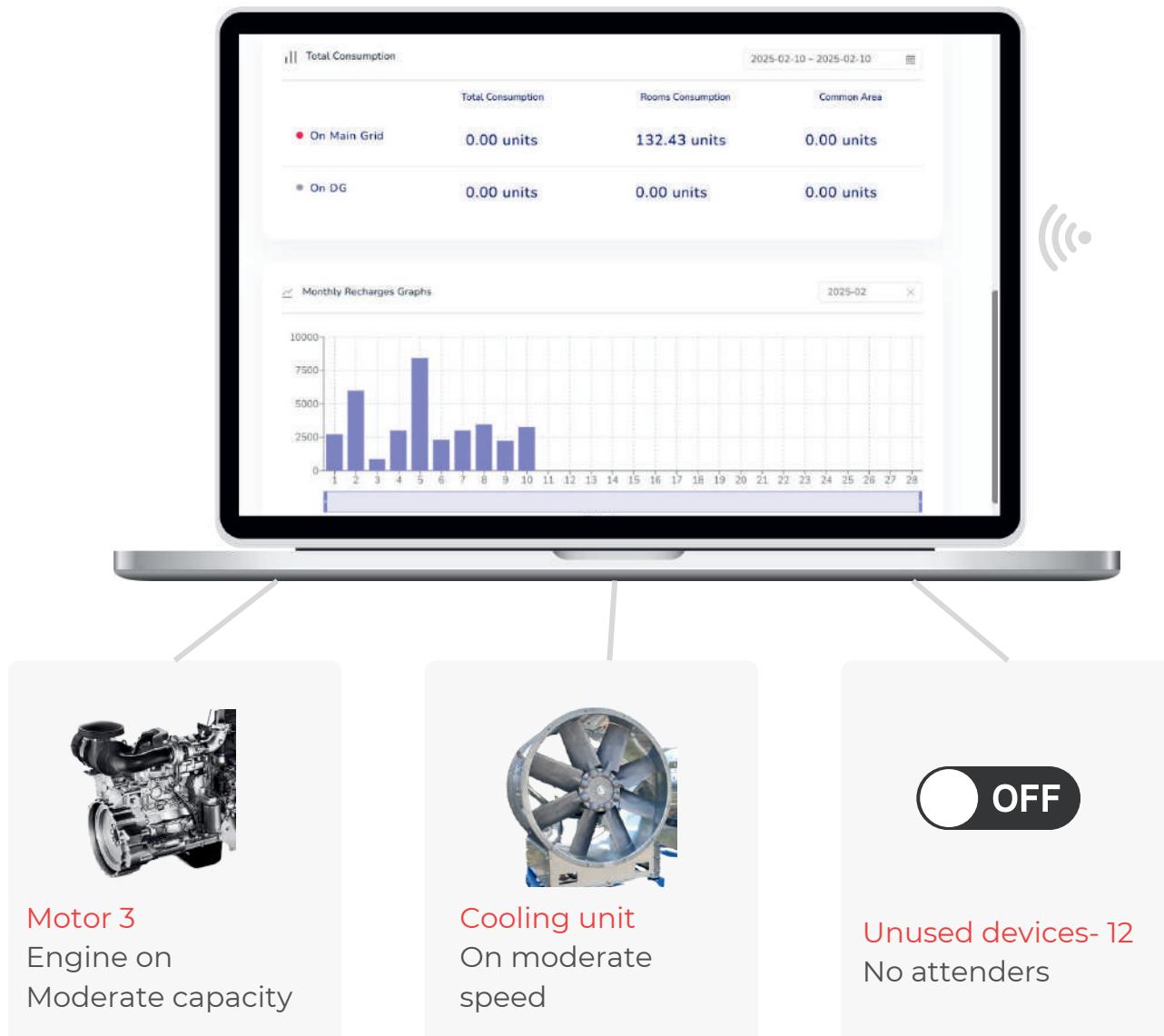
Track- consumption of pumps, aerators, UV systems, etc.

Detect - power wastage and inefficiencies in real-time.

ML models- Schedules equipment operation during off-peak hours to reduce demand charges.

Prevent- energy loss by optimizing motors, pumps, & blowers.

Optimize STP today with Enlog solution



Enlog solution for Hospitality industry

Enlog enables hotels to optimize energy use, prevent disruptions, and enhance operational efficiency. By managing power backup, balancing energy loads, and reducing errors in sanction load limits and power factor, our solution ensures seamless performance and cost savings. We implement our process in two-phase

Phase 1 - Building level

-Power backup optimization

Performance balancing to save without disturbance in day-to-day

-Smart operations

That improves operation & reduce errors like Sanction load limits, & Power factor

Phase 2 - Room level

-Appliances Optimization

Monitoring the **Usage & health & harmonics** of devices

-Occupancy detect & predict

Monitoring usage, unauthorized appliances, & unattended equipment.

So far we have served for many **Hotels & Coliving** brands



& 100+ hotels

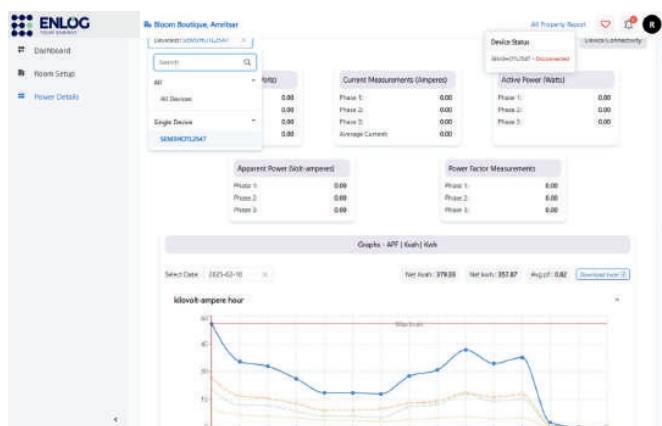


Case study **Bloom Hotel**

Bloom Hotels runs a chain of boutique hotels in India's prime tourist destinations. Bloom Hotels seamlessly **integrated Enlog's smart energy devices with their HMS through APIs**, enabling automated check-ins, dynamic pricing-based energy optimization, and enhanced operational efficiency.



Results



18.6% reduction in electricity bills

25% reduction in appliance breakdown

22 Metric Ton Carbon emissions reduced

Zero Sanction overload cases



Enlog solution for **Commercial Building**

Enlog enables commercial buildings to achieve intelligent energy savings with AI-driven optimization. By analyzing power distribution, balancing HVAC loads based on occupancy, and enhancing appliance efficiency, our solution reduces wastage, lowers costs, and ensures smooth operations without manual intervention. We implement our Solution in the following manners

- **HVAC** consumption & monitoring

Enlog's platform provides real-time HVAC monitoring and Self-optimization of motors, and chillers based on occupancy, boosting energy efficiency and cutting operational costs.

- **Power backup** maintenance

Enlog provides tools for regular maintenance and monitoring of power backup systems to prevent unexpected failures.

- **Commercial appliances** maintenance

Our system analyzes appliances usage & health to make them maintain power factor and longevity along with STP maintenance.

- **Sanction load** management

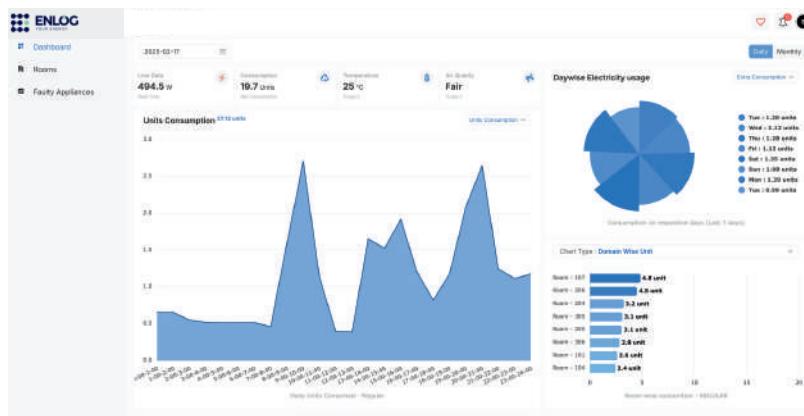
We provides real-time energy usage insights, enabling businesses to Monitor sanction load, PF, and harmonics through the app to control all.

Case study **Incuspaze**

Incuspaze is a leading workspace provider in India, offering managed offices & coworking solutions



Results



22% reduction in electricity bills

37% reduction in appliance breakdown

10320 units Potential saving from a building

₹ 12,38,400 Yearly savings from a building



Enlog solution for **Manufacturing Industry**

Manufacturing facilities require precise energy management to balance efficiency, cost savings, and equipment longevity. Enlog's AI-driven solution optimizes energy consumption across critical systems, automating power distribution and fault detection to minimize downtime.

- Machines **Fault detection**

Enlog's system monitors machinery health to detect anomalies early, minimizing downtime and maintenance costs.

- **STP management**

Enlog provides real-time monitoring of Sewage Treatment Plants in manufacturing facilities, ensuring compliance with regulations and optimizing treatment processes.

- **Power issues**

We offers real-time energy insights, helping manufacturers find any current leakage and earthing issues while maintaining their sanctioned load & avoid overconsumption and fines

- **Operations** efficiency monitoring

Our platform monitors manufacturing operations, identifying inefficiencies and enabling data-driven decisions to boost productivity and reduce costs.

By integrating intelligent monitoring and predictive analytics, our platform ensures seamless operations, compliance with industry standards, and reduced operational costs.

Case study L'Oréal

L'Oréal India operates a state-of-the-art manufacturing facility Pune, Maharashtra. Established in 2004

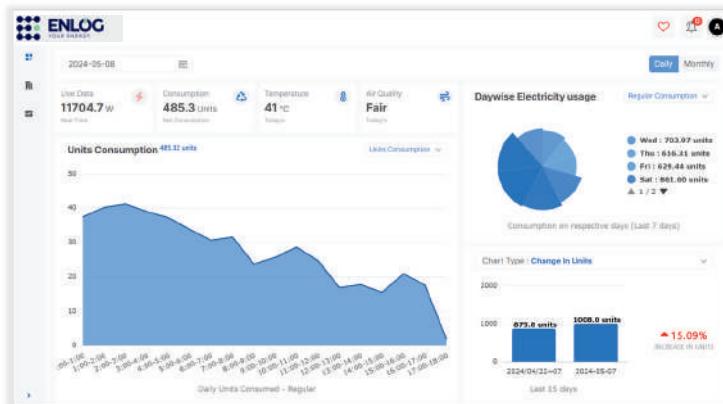

₹50 crore
Manufacturing Facility


100 million units
Per annum capacity


440 KW
presence across India


244,592 sq. ft.
Factory size

Results



19% reduction in electricity bills

32% reduction in appliance breakdown

27 Metric Ton Carbon emissions reduced

Sanction loads almost ended



Enlog solution for **Retail store**

Enlog optimizes energy consumption by ensuring efficient power distribution across lighting, refrigeration, and essential equipment. Our system prevents unnecessary energy wastage by dynamically adjusting usage based on store activity, identifying power leaks, and optimizing power backup for uninterrupted operations.

- **Power backup** maintenance

Enlog's system monitors power backup systems in real time, ensuring timely maintenance and preventing failures for uninterrupted operations during outages.

- **Peak time** device management

Enlog analyzes energy patterns to identify peak usage times and optimizes devices like F&B appliances like light/deep fridges and, operations, reducing costs by shifting non-essential energy use to off-peak periods.

- **HVAC** consumption & monitoring

Enlog's platform provides real-time monitoring and management of HVAC systems, optimizing comfort and efficiency to save energy and enhance the shopping experience.

- **Appliances** Health monitoring

Enlog monitors critical appliances for anomalies, enabling early detection and timely maintenance to reduce downtime and extend equipment lifespan.

Case study **R-city Mall**

R City Mall, located in Mumbai, is a premier shopping & entertainment destination.



Results



15% of the total AHU running time

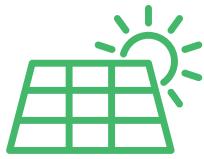
23% reduction in appliance breakdown

Optimized scheduling & occupancy-based controls

7.5kW consistently consuming closer to 9.35kW.



Add-on benefits



Integrate with Solar Energy

By tracking real-time generation vs. consumption, optimizing load shifts, and detecting panel inefficiencies.



Green Building & Sustainability

By ensuring energy compliance, reducing waste, and lowering carbon footprint.



Enhanced Protection

By detecting electrical anomalies, preventing hazards, and reducing fire risks.



Improved Experience & Operations

By enabling seamless automation, preventing shutdowns, and maintaining optimal performance levels.

Our Testimonials



Akash Deep

GM - Operations & IT,
Incuspaze

Managing energy in coworking spaces is tough, but Enlog makes it easy! With 44 locations in 18 cities, they help us cut costs, boost efficiency, and streamline operations. Thanks, Enlog!



Rishabh Gupta

Senior VP of Technology,
Bloom Hotel

As a luxury brand, rising electricity costs were a challenge, but Enlog helped us cut expenses by 18.6%. With automated energy control across 63+ hotels, they're now key to our cost-saving strategy!



Blossom Stayz

Apoorv Rohtagi

Co-founder,
Blossom Stayz

Irregular billing caused confusion and delays for our tenants. With Enlog's prepaid electricity tech, payments are now transparent and hassle-free. Managing 21+ PGs across Delhi NCR & Boutique stays is smoother than ever —thanks.



LANDMARK
THINK . CREATE . LEAD



COMMUNE[®]
APARTMENT

Shft-In

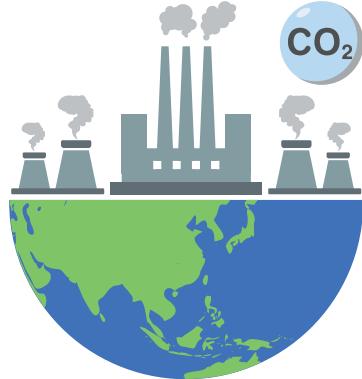


 **your
space**



And many
more..

Our **Mission**



More we save ⚡ Lesser we need to burn & generate ⚡

Join us! Towards saving **1 Million tons** of carbon emission till **2027**

Recognized by

#startupindia



DOIT.C

Department of Information Technology
& Communication, Rajasthan



UN
environment
programme

LowCarbon.
Earth

Featured on

YOURSTORY

Inc42

THE HINDU

wellfound:

Global Energy Alliance
for People and Planet
GEAPP

LOCATION

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Scan for Demo



Scan for WhatsApp



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