EnSmart™

Nova Energy

Management System

Monitor · Analyse · Optimise · Report

20–35%	Real-Time	BEE Audit-Ready	Multi-Site
Energy Savings Typical	EB · DG · BTU Water · Gas · Solar	ECBC 2017 LEED v4 · GRIHA	All Facilities One Dashboard

Nova Energy Management ⬓ Live Dashboard

247 kWh	8,243 kWh	₹71,654	4.2T
Today	This Month	Monthly Cost	CO_2 Today

⚡ Electricity · DG · Solar

◆ Water · Gas · BTU

📊 Hourly · Daily · Monthly Reports

🔔 Threshold Alerts — Email & SMS

BEE · ECBC 2017 · LEED v4 · GRIHA · ISO 50001 Ready
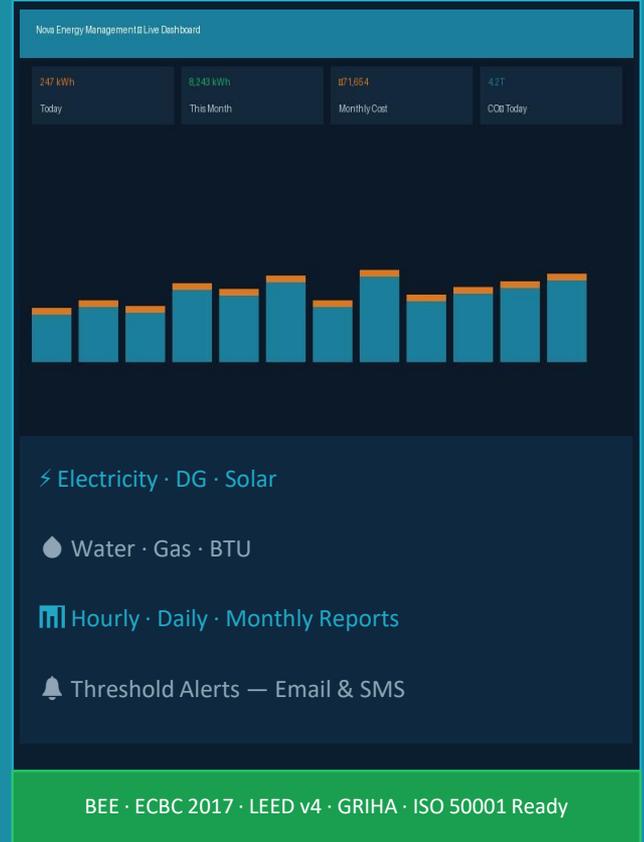
Your Energy Bills Are Hiding Waste You Can't See Yet

Most organisations overpay on energy by 20–35% simply because they can't see where, when or why it's being consumed.

👁 No Visibility

You receive a monthly electricity bill — but you can't tell which floor, system or equipment consumed the most.

Where did it go?

📈 Peak Demand Charges

Grid tariffs penalise peak demand. Without load management, you pay 20–40% excess in demand charges alone.

Extra on demand tariff

⚙ Equipment Running Blind

HVAC, DG, chillers running beyond schedule or at wrong set points — wasting energy with no one noticing.

Systems run unchecked

📋 Compliance Gaps

BEE star rating, ECBC 2017, LEED and GRIHA require metered energy data — but it's stored in disconnected spreadsheets.

Audit-ready data today

Nova EMS gives you complete visibility — and the tools to act on it.

Monitor. Analyse. Optimise. Re

Nova EMS is installed once — and then answers four critical questions your organisation needs answered every day.

How much energy was consumed?
Monthly totals per meter, per system, per facility — EB, DG, BTU, Water, Gas, Solar.
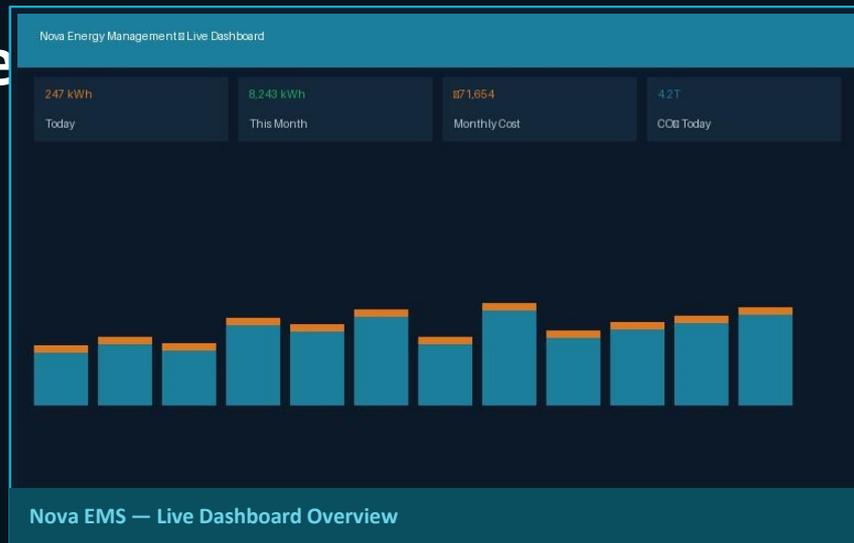
Where was the most consumption?
Floor-level, system-level, zone-level breakdown — instantly identifies high consumers.

When did peak consumption occur?
Hourly interval data reveals demand patterns — enabling load management and scheduling.

How good is the energy quality?
Track power factor, voltage sags, demand spikes, harmonic distortion across all devices.

Nova Energy Management Live Dashboard

247 kWh	8,243 kWh	₹71,654	4.2 T
Today	This Month	Monthly Cost	CO₂ Today

Nova EMS — Live Dashboard Overview

Energy Sources Monitored

⚡ Electricity (EB)   🛢 Diesel (DG)   🌡 Thermal (BTU)

💧 Water   🔥 Gas   ☀ Solar

LIVE SCREEN — DAILY CONSUMPTION GRAPH REPORTS

Hourly Energy Data. Every Meter. Every Day.

Daily Line Chart — EB, DG, BTU per Hour

Stacked Bar Chart — Energy Category Breakdown
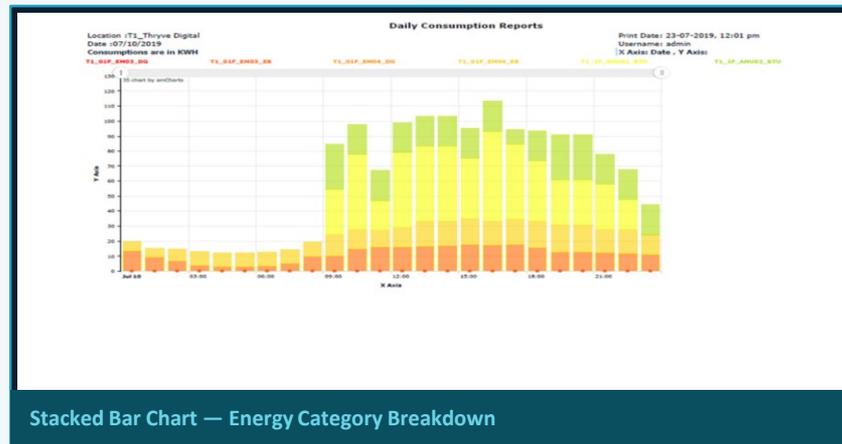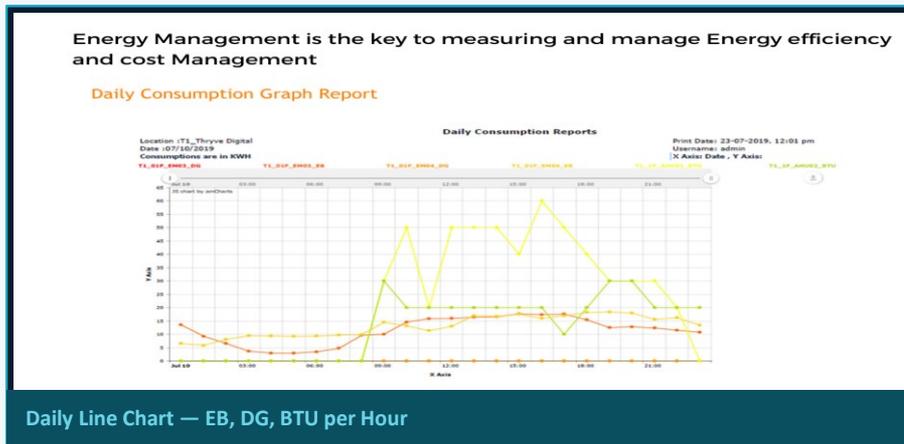
Identify Peak Hours

See exactly when energy spikes — 9AM–12PM typical peak. Shift loads to off-peak for lower tariff.
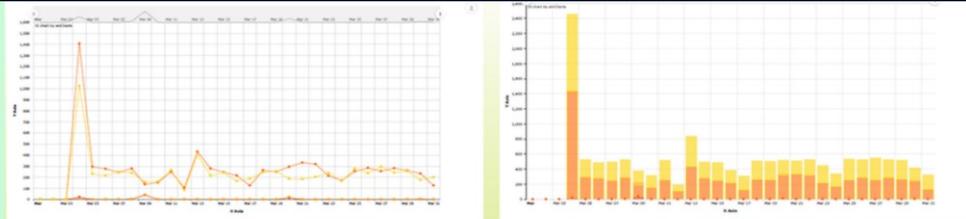
Spot Overnight Waste

Equipment running after hours? Night-time baseline too high? Nova flags it automatically.

Multi-Meter Comparison

Compare EB, DG, BTU side by side — identify which source drives each peak and when.

LIVE SCREEN — MONTHLY CONSUMPTION REPORTS

Month-on-Month Trends.
One Click. Printable. Audit-Ready.

Contact with us:
+91 9941042612
www.emsi.co.in

LIVE — Monthly Graph Report · Thryve Digital · March 2019

Report Frequency Options

Hourly Reports
Interval data every hour — peak demand analysis and load curve plotting

Daily Reports
Day-level totals per meter — spot day-of-week patterns easily

Monthly Reports
Full billing-cycle summary — compare month on month, year on year

Yearly Reports
Annual trends for management review, BEE audit and sustainability reporting

Custom Reports

All reports export to PDF. Push via email automatically.

hoc analysis

LIVE REPORT — LIB MONTHLY ENERGY REPORT · THRYVE DIGITAL · JUNE 2019

Every Meter. Every Day. Every kWh — Accounted For.

ENERGY REPORT

LIB Monthly Energy Report

Location : T1_Thryve Digital   Print Date: 23-07-2019, 12:04 pm
Month: June 2019   Username: admin
Consumptions are in

Date	T1_01F_EM03_DG	T1_01F_EM03_EB	T1_01F_EM04_DG	T1_01F_EM04_EB	T1_1F_AHU01_BTU	T1_1F_AHU02_BTU
01-06-2019	40.115	171.707	15.494	202.625	0.000	0.000
02-06-2019	19.083	148.426	45.482	144.992	0.000	0.000
03-06-2019	0.000	317.816	0.000	334.445	840.000	440.000
04-06-2019	0.000	326.160	0.000	346.879	880.000	620.000
05-06-2019	28.808	125.859	21.640	186.563	50.000	10.000
06-06-2019	7.172	311.074	4.675	313.957	730.000	350.000
07-06-2019	0.000	317.336	0.000	323.668	800.000	420.000
08-06-2019	0.000	213.207	0.000	205.109	80.000	50.000
09-06-2019	4.774	143.660	14.827	177.262	0.000	0.000
10-06-2019	0.000	310.012	0.000	325.387	920.000	500.000
11-06-2019	0.000	335.219	0.000	331.313	780.000	770.000
12-06-2019	0.000	316.770	0.000	314.645	710.000	320.000
13-06-2019	0.000	332.340	0.000	290.230	700.000	380.000
14-06-2019	0.000	312.945	0.000	299.418	690.000	400.000
15-06-2019	20.423	232.426	11.487	193.293	71380.000	35620.000
16-06-2019	6.245	137.242	3.826	206.176	71380.000	35620.000
17-06-2019	2.762	310.113	4.728	294.973	72010.000	36070.000
18-06-2019	24.759	291.906	30.955	291.641	72620.000	36340.000
19-06-2019	0.000	324.016	0.000	328.648	73350.000	36680.000
20-06-2019	18.997	306.516	18.228	321.238	74000.000	37100.000
21-06-2019	111.685	244.051	102.156	217.961	74520.000	37590.000
22-06-2019	0.000	206.719	0.000	209.379	74530.000	37610.000
23-06-2019	0.000	171.570	0.000	180.957	74530.000	37610.000
24-06-2019	11.859	295.879	13.490	323.758	670.000	670.000
25-06-2019	46.434	302.180	34.909	338.434	76060.000	38640.000
26-06-2019	22.670	319.133	12.090	320.348	780.000	39000.000
27-06-2019	48.372	304.547	33.915	255.891	710.000	360.000
28-06-2019	0.000	317.441	0.000	336.098	560.000	380.000
29-06-2019	0.000	236.504	16.653	167.008	20.000	0.000
30-06-2019	0.000	120.379	0.000	205.863	0.000	0.000
Sum	414.158	8243.931	8628.486	16538.459	94668.459	134408.459

LIVE DATA — LIB Monthly Report · EB + DG + BTU Meters · June 2019

What the Report Shows

6 Meters Tracked

EM03 DG · EM03 EB · EM04 DG · EM04 EB · AHU01 BTU · AHU02 BTU — all on one report

Daily Granularity

Every single day in June logged — from 01-06 to 30-06, no gaps, no manual entry

Totals Computed Instantly

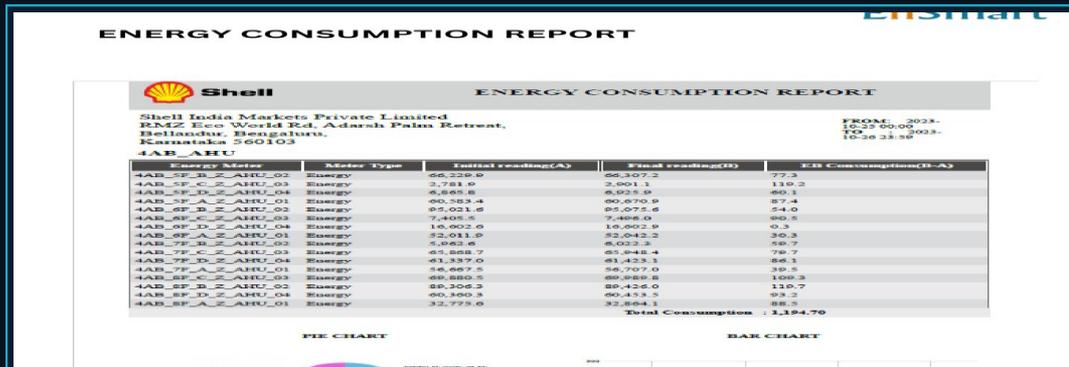EB sum: 8,243 kWh · DG: 8,628 kWh · BTU: 94,668 + 134,408 units — auto-calculated

Audit-Ready Format

Date, username, location header — print directly for BEE

Deploy once. Reports generate themselves — forever.

LIVE CLIENT REPORT — SHELL INDIA · 4AB BUILDING · AHU ENERGY CONSUMPTION

Per-Floor, Per-Zone, Per-System.
Every kWh Attributed.

Shell India — AHU Energy Consumption Report · Oct 2023

Floor-wise Pie Chart + Bar Chart

Floor-wise Breakdown

8th Floor
438 kWh
34.4%

5th Floor
343 kWh
28.8%

7th Floor
264 kWh
22.2%

6th Floor
175 kWh
14.7%

Total: 1,194.70 kWh consumed · Automated report, zero manual work.

Everything You Need to Take Control of Energy

Web-Based Portal
Operator & Admin access via LAN or VPN — any browser, any device, no software install

Threshold Alarm System
Configurable alerts via email — consumption spikes, communication failures, limits

Multi-Energy Monitoring
EB, DG, BTU, Water, Gas — single facility or multiple sites from one dashboard

5+ Year Auto Archive
Automatic database backup and archiving — all historical data always accessible

Advanced Sub-Metering
Floor, zone and system-level metering — pinpoint consumption to any cost centre

Scheduled Report Delivery
Daily, monthly reports auto-emailed to management, BEE auditors or tenants

Peak Load Management
Auto-detect demand peaks, shift loads, reduce demand tariff charges by 15–25%

API Integration
Open HTTPS/API for ERP, BMS and third-party system connectivity

Demand Tariff Calculation
Multi-slab tariff engine handles domestic, industrial and commercial rate structures

Multi-Facility Support
Manage hotels, hospitals, IT parks, malls and industrial facilities — one login

LIVE CLIENT REPORT — ASPIRO PHARMA · ALARM REPORT · 10 JULY 2019

Pharma-Grade Alarm Logs.
Every Event. Timestamped. Immutable.

Aspiro Pharma — Alarm Event Log with Sterile Corridor DP Alarms

What Pharma Gets

Full Alarm Event Log
Each alarm with timestamp, source, category (Medium), state change and operator verification

Sterile Corridor DP Alarms
High Limit 71 Pa alerts for differential pressure — cleanroom compliance monitoring

Review & Verified By Field
Reviewed By / Verified By signature fields — GxP-ready documentation

Period-Based Reports
Select any date range — pull audit-trail report for FDA inspection in seconds

Deployed: Aurobindo · Natco · Aspiro · OneSource · J&J

Nova EMS Works Everywhere Energy Is Used

Deployed across commercial buildings, IT parks, pharma, hospitals, retail, industrial and multi-site portfolios.

💻 IT Parks & SEZs

Per-floor metering · LEED reporting · Per-tenant billing

🏢 Commercial Buildings

Common area charges · BEE star data · Multi-tenant billing

🏥 Pharma / Healthcare

Sterile zone monitoring · 21 CFR logs · GxP compliance

🛒 Retail & Malls

Per-store energy billing · Food court HVAC · Peak alerts

🏭 Industrial Plants

Shift-based monitoring · Machine-level sub-metering · DG log

🛏 Hotels & Hospitals

Room-level HVAC · Kitchen & laundry · Emergency DG tracking

200+ projects across India · All sectors · Running on SmartNova Platform

The Business Case for Nova EMS

20–35%

Energy Cost Reduction

Typical saving after sub-metering, load management and peak demand control deployment

15–25%

Demand Tariff Savings

Shifting loads away from peak hours reduces demand charge component significantly

BEE Audit-Ready

BEE Audit-Ready Data

All metered energy data in BEE-required format — audit-ready export at the click of a button

LEED v4

Green Building Points

Nova EMS feeds energy data directly into LEED v4, GRIHA and ISO 50001 compliance reports

<2 Hrs

Monthly Report Time

What used to take 2 days of spreadsheet work now runs automatically — zero manual effort

Real-Time

Decision Intelligence

Management sees live data on mobile or browser — informed decisions 24×7, not just month-end

EnSmart™

Your Energy Bill Is Telling You Something.

Install Nova EMS once — and it will tell you exactly what.

📊 Request a Live Demo

See Nova EMS live on your building type — real data, real savings calculation

📋 Free Energy Assessment

Submit your facility details — we show ROI potential within 48 hours

⬇ Download Full Brochure

Detailed specs, client reports and integration guide at ensmart.ai/datasheet

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○ SmartNova　　　BEE Audit-Ready　　　ECBC 2017 Aligned　　　LEED v4　　　GRIHA　　　ISO 50001　　　CE/RoHS　　　IN Made in India