

IDEAL APPLICATIONS

MANUFACTURING & PRODUCTION

General Manufacturing | Assembly Lines | Fabrication Units |
Crushers & Cement Plants | Panel Board & Electrical Component Manufacturers |
DG Set Manufacturers | Semiconductor & Nuclear Industries

COMMERCIAL & CORPORATE SPACES

Office Complexes | Co-working Spaces | Hospitality (Hotels, Resorts) |
Amusement Parks & Water Parks | Shopping Malls & Retail Chains

PHARMA, CHEMICAL & FOOD PROCESSING

Pharmaceutical Plants | Chemical Factories | Dairy Units |
Packaged Food & Bottled Beverage Plants | Breweries, Wineries & Vineyards |
Cold Storage

POWER, UTILITIES & ENERGY

Petroleum Sector | Power Plants | Solar, Nuclear & Renewable Units

FINANCE & INFRASTRUCTURE

Banks, ATMs, Data Centers | Telecom Sector | Construction Industry

LOGISTICS & WAREHOUSING

Warehouses | Distribution Centers | Transport & Heavy Industries | Shipbuilding |
Aviation & Aeronautical Sector | Automotive & Aerospace

TEXTILES & CONSUMER GOODS

Textile & Garment Industries | Paper, Plastic, Rubber & Printing |
Cosmetics, Paints & Packaging

AGRI & NATURAL RESOURCES

Agriculture | Sugar, Tea, Tobacco & related processing units |
Mining & Oil and Natural Gas

Who we Are?

G&M Engineering & Consultants is a CPRI-approved, ISO 9001:2015 certified company based in Navi Mumbai. With years of experience in the electrical industry, we specialize in manufacturing and servicing high-quality electrical control panel boards for industrial and commercial clients across India.



Challenges faced by Industries

High electricity bills with unclear reasons	Unbalanced electrical loads across systems
Poor visibility into machine health and performance	Difficulty tracking electricity usage (KVAH and KWH)
Lack of real-time energy consumption data	Inability to identify where electricity is being wasted
Missing out on power factor incentives or facing penalties	Uncertainty in how to reduce or optimize electricity consumption

Innovation with Smart Buddy

With deep roots in electrical engineering, G&M has fused its control panel expertise with cutting-edge IoT to create SMART BUDDY—a powerful yet easy-to-use solution that delivers real-time energy insights. It's designed to help businesses make smarter decisions, cut waste, and boost efficiency with confidence.

Book a Demo Today!

Interested in seeing SMART BUDDY in action?
Get in touch to schedule a live demo and discover how it can start saving your energy and costs from day one.

Connect With Us

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Smart Buddy

always watching your Power

IoT-based Energy Monitoring System

🌐 www.gmecindia.com

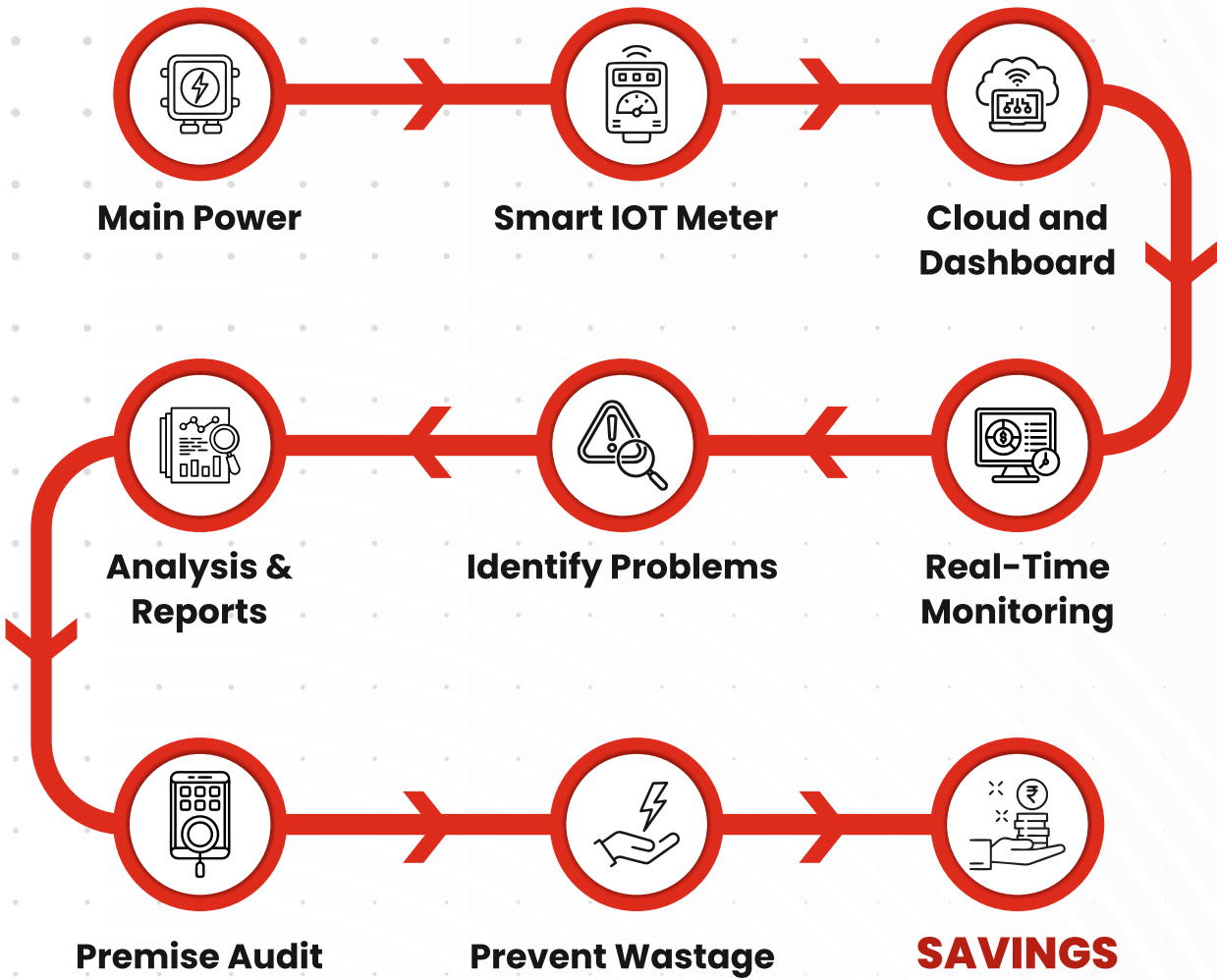
What is SMART BUDDY?



SMART BUDDY is an **IoT-based Energy Monitoring System** that helps you track and control power use in real time. It uncovers hidden energy waste, reduces costs, and gives you instant, easy-to-understand insights—so you can act fast, save more, and stay ahead. With a clean dashboard and zero jargon, it's your smart partner for energy efficiency and sustainability.

How Does it Work?

SMART BUDDY's process is straightforward, turning data into insight.



ADVANTAGES

- Fast Decision-Making** – Live data lets you act immediately.
- Low Maintenance** – Set it and forget it; it works silently in the background.
- Scalable** – Works for a single site or multiple locations.
- Cloud-Based Access** – No need for local servers or IT overhead.
- Zero Technical Jargon** – Built for business users, not engineers.

THE DASH BOARD

Multi-Platform Access Available on Android, iOS and Web for on-the-go control	Real-Time Monitoring Track live energy usage with instant updates	Remote Location Monitoring Manage multiple sites from anywhere	Instant Insights Get key data and alerts right at your fingertips	Device-Level Tracking See detailed consumption of each machine
Custom Alerts Set personalized thresholds and get notified immediately	Easy to Use Simple, intuitive interface – no training required	Historical Trends Analyse usage over time to make informed decisions	Downloadable Reports Export energy reports and usage charts anytime	Multi-Device Access View from web, mobile or tablet anywhere



FEATURES

- Energy Audit:**
Track electricity usage of each machine and audit your entire premises
- Analysis:**
Expert analysis of historical energy data to uncover hidden inefficiencies
- Smart Algorithm:**
Automatically detects devices using smart recognition and digital signatures
- Machine Health:**
Identify over-consuming machines instantly, at the click of a button
- Alerts:**
Get real-time alerts on faults with suggestions to fix them fast
- Production:**
Boost production by monitoring energy vs. output and reducing downtime
- Real-Time Data:**
Access live insights on Watts, Current, Voltage, and more—anytime, anywhere.

BENEFITS

- Save Money and Time:**
Identify issues early to reduce energy costs and avoid unnecessary delays.
- Know Wastage:**
Spot when, where, and how energy is being wasted for quick correction.
- Action Plan:**
Get a ready-to-execute energy-saving plan based on actual usage patterns.
- Whats On:**
Know which appliances are running, for how long, and how much they cost.
- Maintain Power Factor:**
Detect and fix poor power factor to avoid penalties and improve efficiency.
- Maintain Contract Demand:**
Track overloads or phase drops to stay within your contracted power limits.
- Human Monitoring:**
Monitor human-related energy usage trends to reduce avoidable losses.