



ONLINE DATA MONITORING



AN ESCO COMPANY
EMPANELED WITH
BUREAU OF ENERGY
EFFICIENCY, GOVT. OF
INDIA, MINISTRY OF
POWER



OUR PROFILE

Established in 2009, **BNN Power** is a reputed developer, manufacturer and service provider. All our Technical products are best in performance and provide complete reliability to the users. Under the visionary leadership of our mentors, we have been able to make ourselves well-known brand of Industrial and commercial sectors in the national market. Bureau of Energy Efficiency, Govt. of India, Ministry of power empanelment as an Energy Service Company is our credential.

THE OBJECTIVE

BNN Power is a Mumbai, based ESCO (Energy service Company) empaneled with Bureau of Energy Efficiency, Govt. of India, Ministry of Power. Engaged in developing an extensive range of innovative PRODUCTS to the customers of Various types of Industrial, Textile, Medical & Commercial sectors.

Acknowledged for reliability, innovative idea and availability with lower price, Our range of PRODUCTS is widely used in Saving Energy for LED Lights & Motor/Mixed Load, Harmonics Control, Solar Street Light, Power Factor control with or without capacitors and many other purposes.



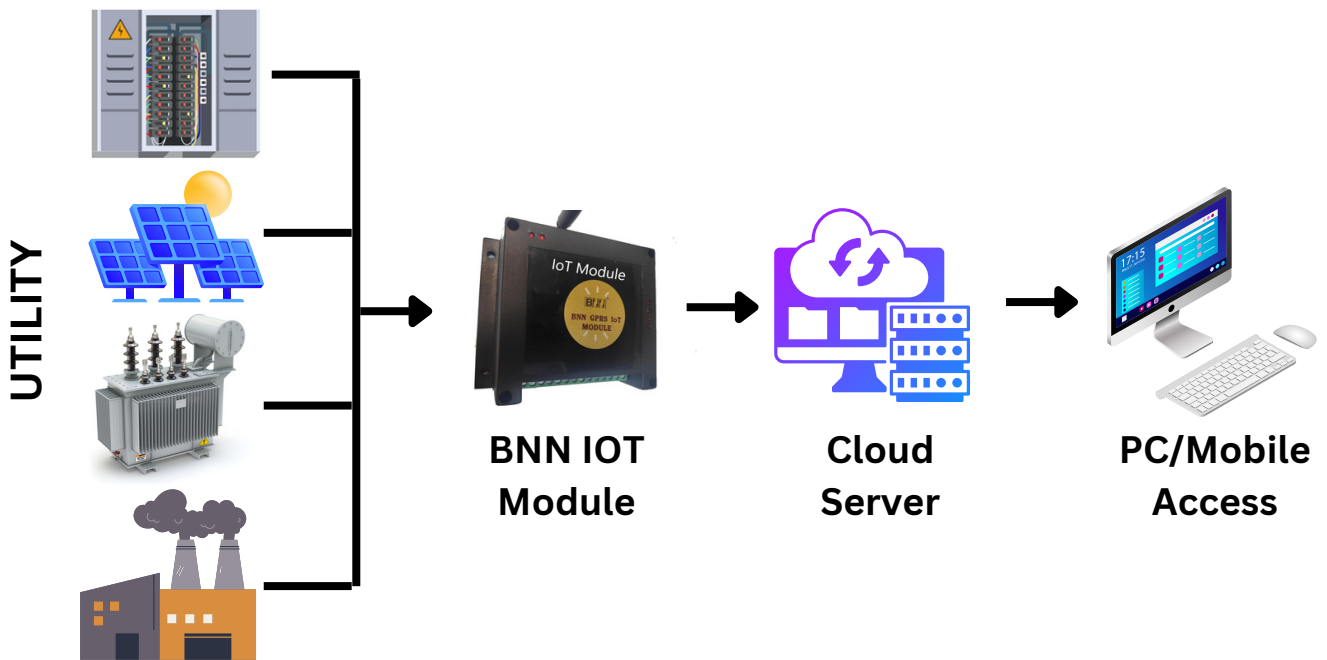
IMPORTANCE OF IOT ENERGY MONITORING SOLUTIONS

BNN POWER IoT Energy Monitoring System provides an easy way to automatically access, download and analyze power quality events. Unlike traditional energy management systems, Our IoT system extracts the real-time energy consumption insights from your plant and provides you with useful data points on your mobile/PC. The system covers information regarding power generation with all the parameters and its utilization which makes it a one-stop solution.

BENEFITS OF IOT ENERGY MONITORING SOLUTIONS

- Data Storage and Visualization
- Get Real-time Energy Insights
- Control & Reduce Energy Consumption
- Detect Abnormality in Consumption
- Optimize Cost
- Reduce Operational Costs
- Boost Facility Performance
- Increase ROI
- Predict Future Energy Needs
- Reduce Electricity Demand Charge
- Trace Energy Capabilities
- Identify Unnecessary Equipment Operations

HOW IT WORKS ?



KEY FEATURES

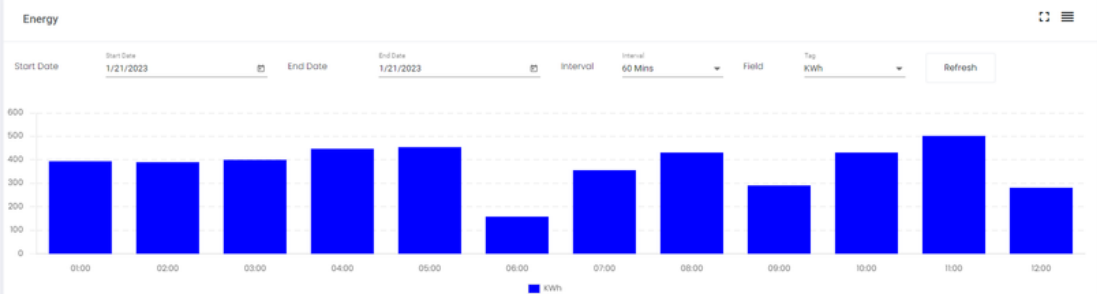
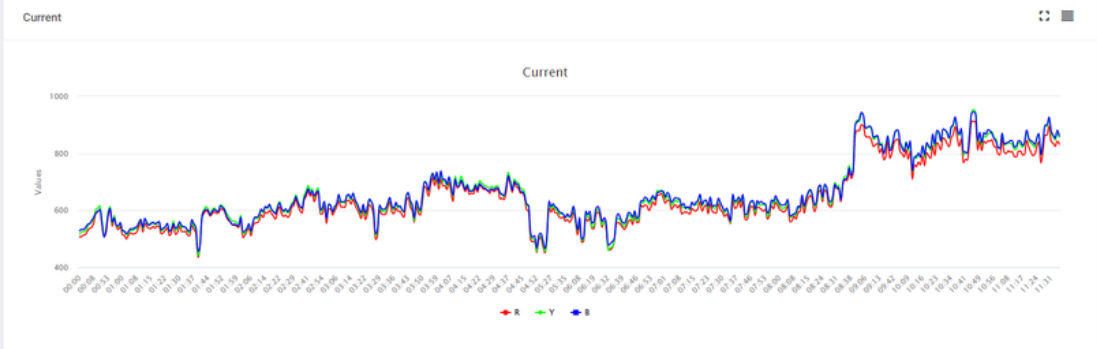
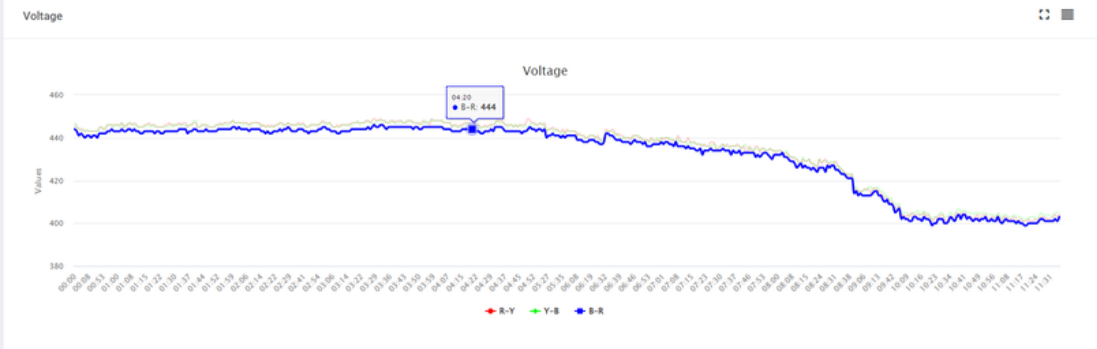
- Manage, Control, Monitor
- Generate Reports for any time frame
- Identify Trends and Patterns
- 10+ Electrical Measurement Parameters including Power Factor, RKVAH, Voltage/Current Harmonics etc.
- MQTT Protocol and 4G/5G Network enabled Modules.
- Download Data in MS Excel and CSV formats
- API Connection available
- Remote Control (ON/OFF)
- Seamless SMS/Email Alerts
- User Friendly Dashboard UI/Design
- User Id/ Password and HTTP Secured URL



- Dashboard
- Things
- Users
- User Role

Dashboard [Shivshankar Textiles]

Summary 1	Summary 2	Summary 3	Voltage	Current	KW
KWh 3844964	KVAh 3858119	Volt L1 Avg 404	R-Y 404	R 832.16	R 186.32
KW 572.03	KVAh Log 142794.22	Amp Avg 849.92	Y-B 405	Y 856.53	Y 192.52
KVA 574.12	KVAh Lead -67078.84	PF Avg -1	B-R 403	B 861.08	B 193.2





DETAILS

REAL-TIME MONITORING AND CONTROL

BNN POWER IOT REAL-TIME ENERGY MONITORING PROVIDES LIVE ENERGY CONSUMPTION DATA WHICH HELPS YOU TO CONTINUOUSLY MONITOR THE EFFICIENCY OF YOUR ASSETS AND DECIDE IF THEY REQUIRE MAINTENANCE OR ARE NEEDED TO BE REPLACED.

CENTRALIZED DASHBOARD

BNN POWER IOT PROVIDES ALL THE INFORMATION RELATED TO THE INSTALLED DEVICES ON MACHINES ON A SINGLE SCREEN. OUR CENTRALIZED DASHBOARD ENCOMPASSES SEVERAL CARDS AND PANELS THAT PROJECT USEFUL DATA IN AN INTUITIVE AND EASY TO UNDERSTAND MANNER.

ADVANCED DATA ANALYTICS

WITH BNN POWER IOT YOU WILL GET AN ADVANCED ANALYTICS FEATURE WHICH WILL HELP YOU TO GATHER DATA AND PROCESS IT TO DEVELOP ENERGY CONSUMPTION PATTERNS, COMPARE HISTORICAL CONSUMPTION, AND PREDICT FUTURE ENERGY NEEDS.

CONSUMPTION PATTERNS AND CONTROL VISUALIZATION

BNN POWER IOT PROVIDES DATA CHARTS AND VISUALIZATION WHICH HELPS YOU TO COMPREHEND THE INFORMATION EASILY. THESE VISUAL REPRESENTATIONS OF DATA WILL ENABLE YOU TO IDENTIFY OPERATIONAL INEFFICIENCIES AND MITIGATE THEM BY TAKING STRATEGIC ACTIONS.

CUSTOMIZED AND INTERACTIVE REPORTS

THE REPORTS ARE READILY AVAILABLE WITH JUST ONE CLICK. THE REAL-TIME ENERGY MONITORING SYSTEM SENDS DATA RELATED TO TARGETED PARAMETERS AND DEVICE PERFORMANCE CONTINUOUSLY, WHICH CAN BE AGGREGATED INTO REPORTS AND CALCULATED TO DEVELOP EFFICIENCY-BOOSTING OPERATIONS.

END-TO-END IOT SOLUTION

WE PICK THE RIGHT WIRELESS AND BATTERY-POWERED SENSOR, METER, AND GATEWAY CONFIGURATION FOR YOU TO TRANSFORM DATA FROM ENDPOINTS INTO VALUABLE INFORMATION AND MAKE IT AVAILABLE ON THE BNN POWER IOT ENERGY MONITORING DASHBOARD WHICH IS TAILORED ACCORDING TO YOUR REQUIREMENTS.

SUSTAINS HARSH ENVIRONMENT

BE IT EXTREME WINTERS, RAINY, SCORCHING SUMMERS OR SUDDEN DROP/RISE IN THE TEMPERATURE, THE DEVICES CAN SUSTAIN IT ALL. THEY ARE DURABLE AND RELIABLE ENOUGH TO TOLERATE SEVERE ENVIRONMENTAL CONDITIONS AND MACHINE-BASED SURROUNDINGS. PROVEN FOR STREET LIGHT PANELS FROM LAST 10 YEARS.

REAL TIME ALERTS

THE REAL-TIME ALERT SYSTEM WILL ENABLE YOU TO GAIN ALERTS ABOUT INEFFICIENCIES IN YOUR FACILITY. THE DERIVED PARAMETERS CAN BE CALCULATED AND ALARMS CAN BE TRIGGERED IN REAL-TIME THAT ENABLES YOU TO DETECT ERRORS INSTANTLY WHEN THEY OCCUR. SMS AND E MAIL FEATURE.

TWO-WAY COMMUNICATION

IT IS NOT JUST THE DATA INGESTION FROM SENSORS, BNN POWER IOT ALSO EMPOWERS YOU TO CONTROL THE ENERGY SUPPLY AS WELL. ITS TWO-WAY INTERACTION ARCHITECTURE MAKES IT A PERFECT FIT TO BE INCORPORATED WITH ANY TYPE OF SENSOR OR THIRD-PARTY DATA.



CLIENTS



AND MORE



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