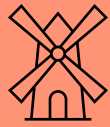Any inefficiencies impact directly on the profitability and value of the asset. Major areas to be addressed are energy usage, maintenance costs, and consumption level. EI measure's IOT based platform which helps in providing innovative solutions for today's need. A key goal is to improve resourcefulness and the operational efficiency and hence reduce energy wastage and running costs.

BENEFITS

Gaining maximum return on assets and investments is the greatest challenge in the development and ownership of any business. This can be achieved by using technology for energy savings, control applications, management system, etc.

Energy Management

- Bringing down the operational expenses Helps to take smart decision
- Quick Planning on Production
- Avoid breakdowns, process interruptions
- Monitor equipment efficiency
- Study of energy cost vs production Reduction in energy cost
- Planned preventive maintenance Equipment wear & tear, deterioration Manpower planning
- Accurate MIS reporting/decision making Helps to bring down the operation cost be 10-12%

One Platform
Many Possibilities...

Meet the IoT-based solution

The IOT platform collects data from the plant and follows EI measure's 4–step energy efficiency plan of measure, detect, manage and conserve, which helps not just to ask the right questions but to find the answers to them.

CLOUD HOSTING remote monitoring and controlling

MONITOR ASSET tailor-made user-friendly dashboard

AUTOMATE decrease dependency

ENSURE UP-TIME get on screen Email/SMS alerts

ANALYZE BETTER improved insight

SAVE ENERGY spend less

Networking Communicate well...

Gateway helps link any field devices or sensors and devices to the internet so that data, configuration and controlling can be made possible online.

Gateway can work as bridge between Ethernet and GPRS for low-cost installation.

- Cloud for Efficiency and agility
- Predictive insights from Big Data
- Going mobile anywhere/anytime access
- Consistent and meaningful user experience

| Wi-Fi |
| GPRS |
| ETHERNET |
| RS485 |
| MODBUS/MQQT |

Interfaces
Many Possibilities...

ELNet Studio helps to build niche enterprise applications with ease. This enables a harmonious network ecosystem of sensors, gateways and system integrators that enables rapid deployment of real-time applications. It also empowers enterprises and consumers to focus on their core operational activities while ELNet Studio takes care of scalability, interoperability and security aspects.
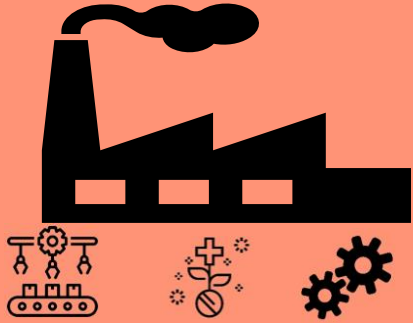
IOT platform features:
Software can be hosted on both on-site and cloud
Software is compatible with different operating systems like Windows & Linux etc...
Software can run with multiple database (MySQL, Oracle, MSSQL and Postgres)
Formula based or user definable KPI's
Tight SLA - Threshold definition, alerting during threshold violation
Role based access at different level in an organization

- Supports third party server integration
- Compatible for OPC connectivity
- Process parameter integration
- Compatible with third party devices through RS485 & Modbus RTU protocol
- Fail-over mechanism
- 99.9% server up time
- Large deployment and scalability
- Customized dashboard using widgets Compatibility to integrate with multiple protocols/platforms Smart user-friendly cloud-based platforms
- Mobile APPs to get the data on hand
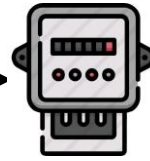- Alerts - Email & SMS
- Onsite SLD creation

Network Layer

Solutions....

ENERGY & PRODUCTION PROCESS PARAMETERS
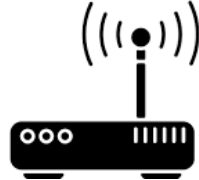
AI, DI

Energy & Process Meter

RS485

GPRS GATEWAY

Software Features...

Dashboard

Tailor-made User Friendly

Alerts

Email, SMS, Onscreen

Reports

PERIODIC EXCEL, PDF

Analytics

Business Intelligence Multi parameter graph

Control

Manual Override Scheduled

Billing

Automatic Traffic Based

ABEZ has partnered with Elmeasure for installation and commissioning of Smart energy meters and allied Energy Management Solutions

ELMEASURE
Possibilities...Infinite

Smart steps for efficient enterprises...

IoT Solutions for efficient enterprises by comprehensive data analysis

Measure
This is a flexible, low-cost metering solution for energy management. Various meters feed data through a Web enabled gateway, providing a complete solution for many smaller campuses or businesses.

Detect
Our solution captures energy consumption in different equipment's / zones and process parameters like flow, pressure, counts, machine status, compressed air, ambient conditions and manage them to optimize energy.

Manage
Our solution will enable to manage the entire plant in the areas of Predictive maintenance, Improve the operation efficiency, Identify the machine performance at a glance through smart UI, Bench marking different operational parameters.

Conserve
Monitoring the breaks in preparatory segment and Ring frames performance in spinning process has the potential to bring down the operating cost by 10% to 15%.which is a direct saving/ profits.

United States of America - HQ
9681 Gladiolus Dr. #205,
Fort Myers,
Florida - 33908

Tel. (800) 758-7034
Fax. (888) 852-4510
Mail. admin@abez.us