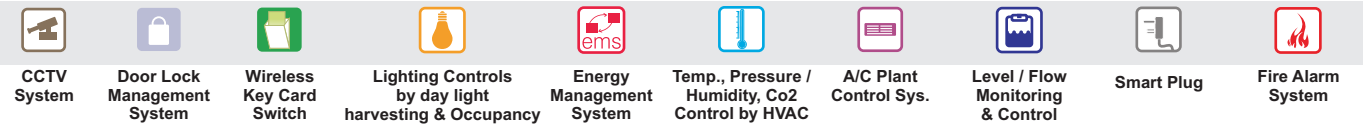


## Hospital BEMS Solution

## Energy efficient Hospitals have a better FINANCIAL PERFORMANCE!



- ✓ Utility and maintenance cost savings
- ✓ Improved redundancy for critical equipment and systems
- ✓ CCTV, Fire Alarm and Access control system for better safety
- ✓ Better heating, ventilation and air conditioning through automated controls
- ✓ Increased equipment reliability to reduce maintenance costs and minimize downtime
- ✓ Improves the environment of care through better lighting, temperature control and ventilation



As hospitals and research labs modernize to take advantage of 21st century medicine and practices, We can help streamline and harness the various energy and safety technologies with its innovative Building Energy Management Solutions that lead to lower operating costs with efficient use of energy and improved safety and security of the facility.

## TEXTILE ENERGY MANAGEMENT SOLUTION

- ✓ Wireless, Centralised, On-line monitoring and record of production, energy consumption & deduce UKG of yarn from doff (direct conversion of UKG to universal "40's" count) Continuous monitoring of speed & loading of ring frame motor, during the doff process.
- ✓ Display of down time and power failure.
- ✓ Generate alarms & alerts for abnormal / fault conditions.
- ✓ Display of Harmonics with varying speed of the m/c and compare with the limits for analysis and solutions.
- ✓ Direct comparison of identical ring frames using UKG as the parameter
- ✓ Analysis of pre & post maintenance performance of the ring frame to assess the effectiveness of the maintenance.
- ✓ Assess the performance of devices that claim energy efficiency, such as motors, spindles, spindle tapes, oils etc.
- ✓ Establish norms on UKG, periodic maintenance and cost of production on each ring frame (productivity)
- ✓ Highly reliable wireless communication(Zigbee). ✓ Eliminates cumbersome cabling cost and maintenance.
- ✓ Completely tamper proof and avoids misuse and unauthorised operations.
- ✓ Cost effective solution (typical ROI < 12 months) with Commitment and back-up.



## LIGHTING MANAGEMENT SYSTEM

Apply lighting scenes for presentations, reading or to suit personal preferences.

Programmable switching based on occupancy, daylight or time.

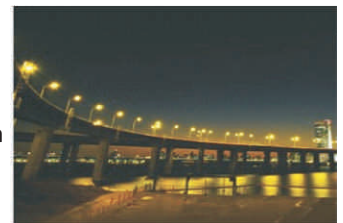
Wireless lighting control for seamless integration for any type of building.



Control lights on an individual or on a group basis through smart phone.

Monitor energy consumption trends lamp status etc.

Auto email alerts and reports.



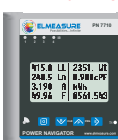
✓ **Individual street light time scheduling is programmable using zigbee / wifi technology.**

Lighting management is a powerful system engineered to help industrial, commercial and residential facilities to reduce energy cost by upto 30%. The system helps the user to maximize energy performance by providing full range of wireless lighting control capabilities that delights the user with better savings.

HIGH PROFILE MULTI FUNCTION METER

DEMAND MONITORS / CONTROLLERS / HARMONICS ANALYSER / TOD METER

PN 7710 DMC / DM, PN 7700 LM



LCD  
96 mm x 96 mm  
RS485, ZIGBEE  
4 Digital Output  
1 MB / 8 MB  
Data Logging Facility

EN8410 DMC/DM, EN8400LM



LED  
96 mm x 96 mm  
RS485, ETHERNET, ZIGBEE  
4 Digital Output  
1 MB / 8 MB  
Data Logging Facility

MULTIFUNCTION / PANEL METER

LG+5310 / LG+3399 / LG+1129 / LG+1119



LED 3 Row  
96 mm x 96 mm  
Acc: 1.0 / 0.5  
RS485, 2D O/P

DUAL SOURCE METER

LG+5220 / LG+3220



LED 2 Row  
96 mm x 96 mm  
Acc: 1.0 / 0.5  
RS485, 2D O/P

Available with 3Ph & 1 Ph - 20A / 40A / 60A / 100A Hanging CT

LOAD MANAGERS

**RISKING PENALTY WITH LOW POWER FACTOR?**

... delights you with better savings!

IPFC (Intelligent Power Factor Controller) is the most powerful, complete and user-friendly product. The product is built: with advanced control features that helps to avoid penalties, lowers energy consumption by reducing energy losses and even reduces transformer and switchgear ratings to deliver and efficient, electrical system with unmatched savings. It's not just a PF controller but also a multifunction meter that can measure and monitor electrical parameters which makes it truly a value buy.



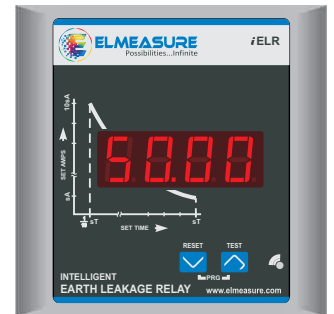
- ✦ Controlling based on capacitor bank switching history
- ✦ PF Controller with true multifunction meter features
- ✦ Microprocessor controlled 4 / 6 / 8 / 12 stage switching
- ✦ Protection against over voltage, over current & harmonics
- ✦ Improves capacitor lifestyle
- ✦ Improves power quality ✦ Three Phase sensing
- ✦ Complete reactive power factor correction solutions for any KVAR ratings



**ARE YOUR EQUIPMENTS & POWER SYSTEM PROTECTED AGAINST EARTH LEAKAGE?**

Earth leakage current if unprotected can give rise to energy losses and generation of heat that leads to progressive insulation failure which can cause a devastating fire that endangers lives and equipment. Intelligent Earth Leakage Relay is an advanced microcontroller designed product that senses earth leakage current well before they cross the set threshold limit and trips supply instantly thereby offering reliable protection and increased operation safety with improved savings.

- ✦ Programmable trip current & trip time
- ✦ Inverse curve trip time for faster tripping
- ✦ Wide CBCT range for accurate sensing of leakage current (60, 100,150,200,250,300mm).
- ✦ Wide input range 300mA to 12A, trip time programmable from 300 ms to 30 sec.
- ✦ Continuous leakage current display



**PREPAID / POST PAID ENERGY METER - SMART 4 IN 1 SOLUTIONS FOR SMART LIVING!**

- ENERGY 1 - EB
- ENERGY 2- DG
- WATER 3
- GAS 4



- ✦ Dual Source Measurement (Grid & Stand by)
- ✦ Available in single phase and three phase configuration
- ✦ Load limiting options
- ✦ 4 in 1 meter with option to integrate water and gas
- ✦ SMS and E-mailing options for pre-determined events
- ✦ Optional Remote Display Unit with recharge facility
- ✦ Credit charging using contactless smart cards
- ✦ Data communication through GSM/GPRS, Wi-Fi, RS485 etc
- ✦ Electronic and Mechanical tamper proof options
- ✦ All in one single maintenance bill

Authorised Channel Partner for:



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