PREVIEW OF THE ERA FOR ENERGY DATA VISUALIZATION, MONITORING & PROCESSING.

ELMEASURE®
Possibilities...Infinite

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STALL: H12. D45 (D4511)
DIGITAL ENERGY PAVILION

We're a leading provider of Custom Energy Management Solutions, and products. We help individual consumers, the industry and energy companies to customize, optimize and manage energy, on and off the grid.

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A global presence in over

45 countries with

15000+ clients, sales

offices in 6 countries and

2.5 Million products

live on field.

*we're a preferred OEM manufacturer for some of the leading international brands.

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MANUFACTURING

TWO INTEGRATED FACILITIES IN BANGALORE AND COIMBATORE WITH A BUILT UP AREA OF OVER 80,000 SQ FT

TECHNOLOGY & DESIGN

Wired and wireless architecture.
Designs are based on classical MSP430
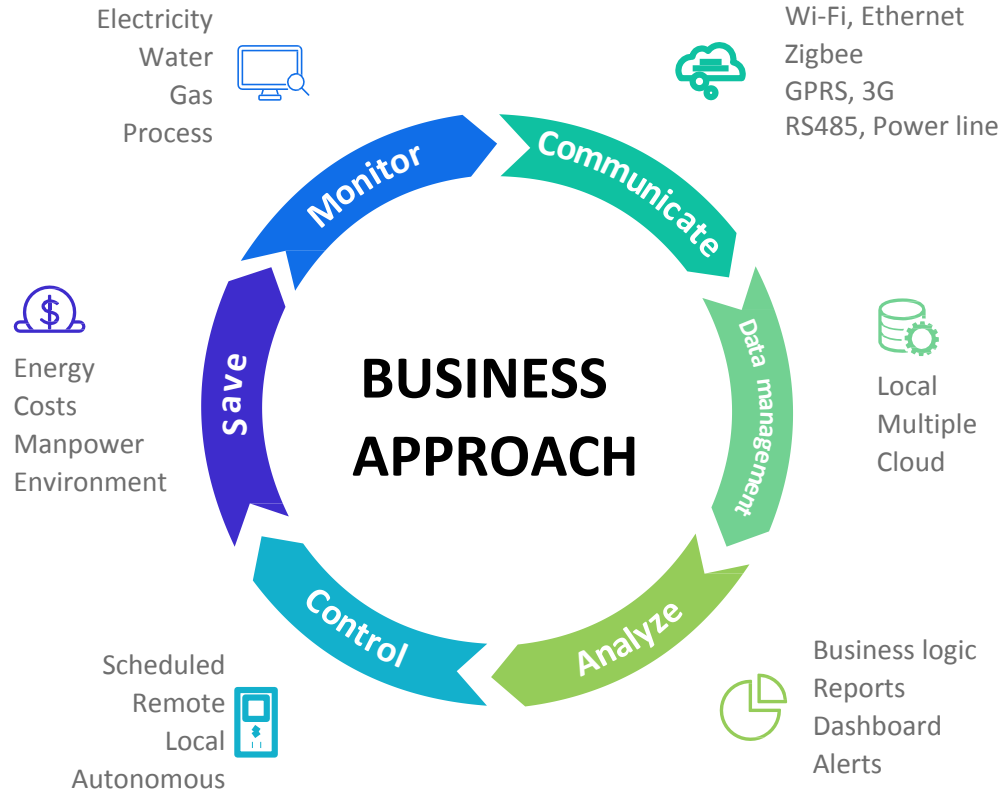to arm Cortex M4 based SOCs.

WIRED COMMUNICATION

Protocols:
- Modbus
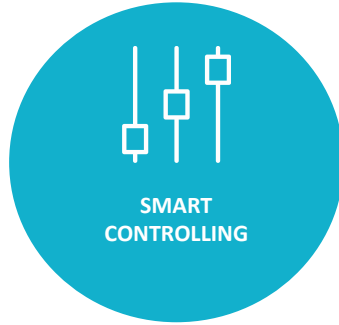- MQTT
- MQTT-S
- LON
- BACnet

WIRELESS COMMUNICATION

- **Wireless energy meters with**
- Zigbee
- Wi-Fi
- PLC
- GPRS communication

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BUSINESS APPROACH

Monitor
- Electricity
- Water
- Gas
- Process

Communicate
- Wi-Fi, Ethernet
- Zigbee
- GPRS, 3G
- RS485, Power line

Data management
- Local
- Multiple
- Cloud

Analyze
- Business logic
- Reports
- Dashboard
- Alerts

Control
- Scheduled
- Remote
- Local
- Autonomous

Save
- Energy
- Costs
- Manpower
- Environment

SMART MONITORING

- Basic meters
- Multifunction load manager
- Energy and process monitor
- Branch circuit monitoring
- Generator monitoring unit
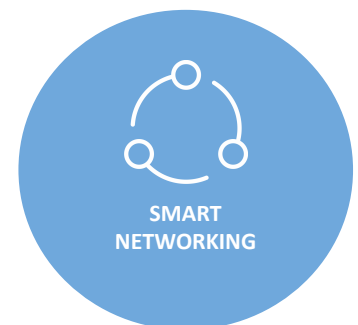- Dual source energy meter
- DC Energy Meter

SMART CONTROLLING

- Demand controller
- Power factor controller
- Earth leakage relay
- Motor protection system

SMART RESOURCES

- Smart Watt Hour Meter (Prepaid / Postpaid)
- ACCL
- Power Analyzer
- Power Quality Analyzer
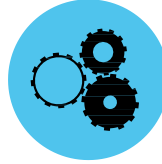- Smart IO

SMART NETWORKING

- Gateway
- Converter

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Our Solutions

ENERGY MANAGEMENT SYSTEM

Energy billing | Energy audit

PROCESS MANAGEMENT SYSTEM

Textile | Engineering | Cement | Food

STREET LIGHT MANAGEMENT SYSTEM

Street light | Home automation

WATER MANAGEMENT

Residential | Commercial

PUMP AUTOMATION SYSTEM

Electricity | Water | Gas

BREAKER STATUS MONITORING

Electricity | Water | Gas

DATA CENTER MANAGEMENT

IT Infrastructure

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The Underlying **Challenges...**

- To harness
  sensor-data comprising various industrial
  protocols
- Real-time processing, filtering and
  optimizing sensor data
- Centralizing the processed energy-data
- Perform day-to-day energy analysis for
  tailored user specific insights
- Deeply embedded safety concerns
- Mindset to embrace
  potential value of digitalization

Reshape Your Industry with
IoT...

Leverage IoT to **provide visibility, decentralized decision-making & optimize operations,** from shop floor to warehouse and throughout the supply chain.

Interoperability between different meters, equipments and protocols is a vital feature being implemented in IoT

Revolutionize operating models with Edge computing by crowdsourcing, filtering, & data abstraction reducing data transmission & storage cost

IoT can empower you to **create customized dashboards, & reports or augment reality based on streaming data**

Multi-layered security platform to safeguard data, devices, & applications against external and internal threats.

Data-centric approach allows **Preventive & Fast-track maintenance to** reduce costs and provide operational transparency.

CLIENTELE

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THANK YOU

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Energy Management Solutions and Services

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