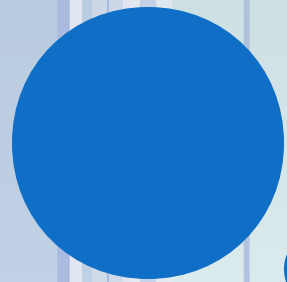


**KALKITECH**

*A Whole New World  
of  
Intelligent Energy Systems*



## **R-APDRP CAPABILITIES**

# ABOUT KALKITECH

❖ Public Limited Company

❖ Serving the needs of Power Sector since 1998

❖ Impressive list of satisfied customers in public and private sector

❖ D&B/SMERA Rating of C2 - High

❖ ISO 9000-2001 certified

❖ Offices at Bangalore, Cochin, UAE, Houston



# KALKITECH - OFFERINGS..

❖ Protocol Gateways and Data Concentrators

❖ Training, Consulting and Implementation

❖ Software Drivers and Tools

❖ Modeling and Simulation Solutions

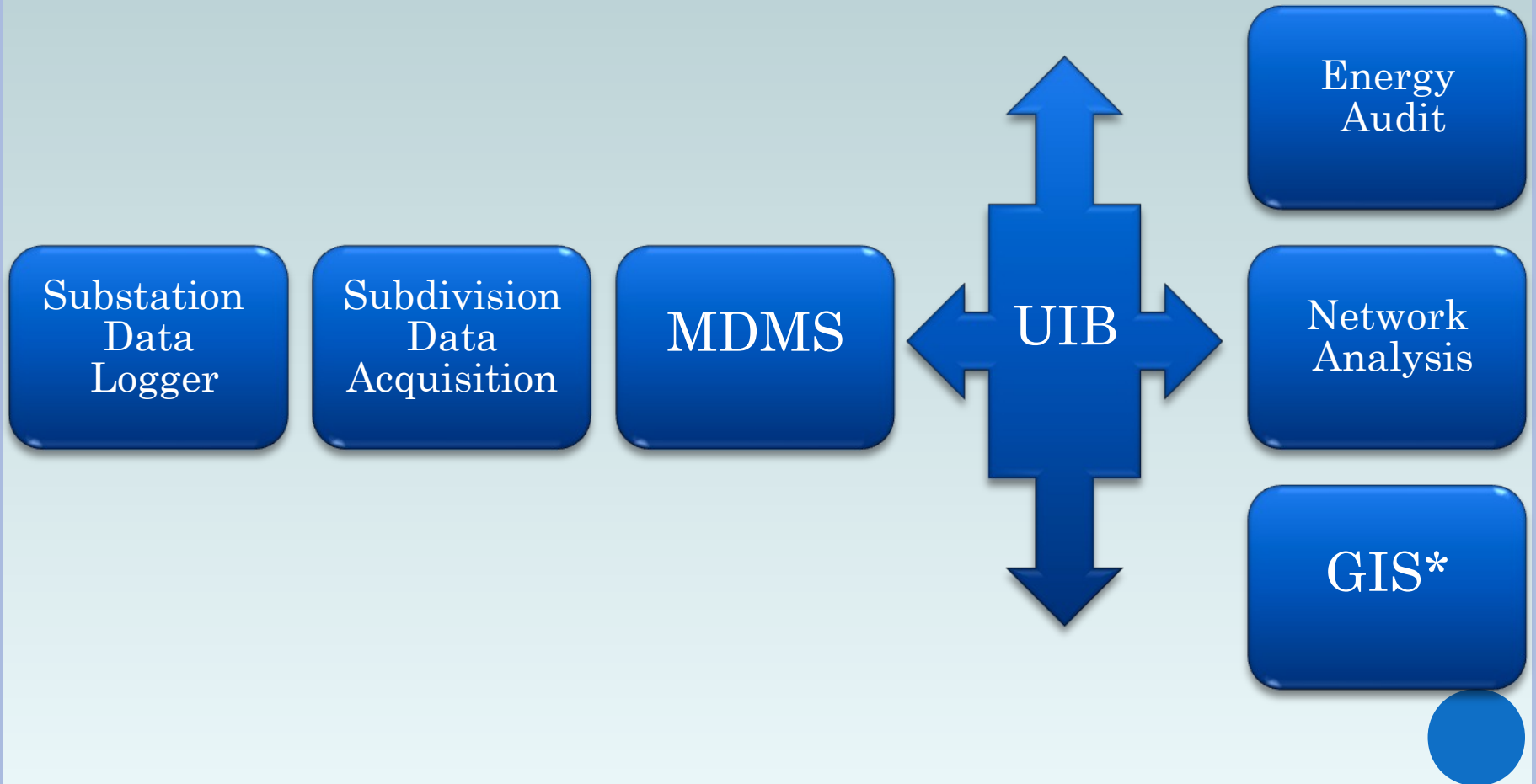
❖ Advanced Control Solutions

❖ Energy Optimization Solutions

❖ Reporting and Analysis Solutions



# KALKITECH IN R-APDRP





## Substation Data Logger

- Support for DLMS-COSEM(IEC-62056), Vendor specific protocols
- Instantaneous values
- Load survey and event information
- Local Storage
- Communication with sub-division software
- Rugged and high MTBF, meet harsh EMI/EMC requirements in substations.



## Sub-Division Data Acquisition Software

- Support for DLMS-COSEM(IEC-62056), MIOS
- Multiple Communication Interfaces(GPRS/CDMA..)
- Scheduled, On demand and report by exception
- Web services for integrating with MDMS
- Instantaneous, Consumption Values
- Load Survey and support for Advanced Metering Functions

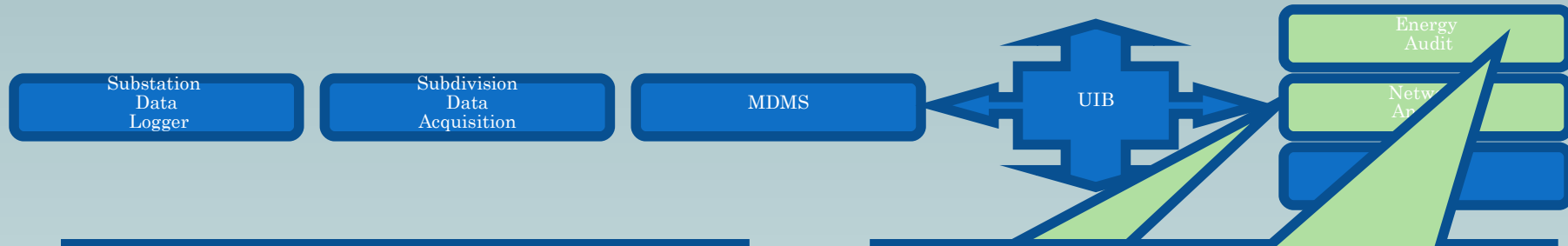


## Meter Data Management System

- Import and Monitoring
- Validation, Editing and Estimation
- Meter Data Time Series Repository
- Time Series Calculation
- Hierarchical Information Storage
- Export and Reporting
- Event Management
- Web Services for interfacing with other systems

## IEC-61968 Enterprise Integration Bus

- Extends Web Sphere Enterprise Service Bus (ESB) with industry specific extensions.
- IEC61970 and IEC61968 Common Information Model (CIM) including CIM XML full, incremental, and partial model transfer formats.
- IEC61970 Component Interface Specification (CIS) API (or Generic Interface Def'n – GID).
- EIB Adapters for SCADA using ICCP and OPC



## Network Analysis, Planning & Optimization

- Network Editor and background maps
- Load Flow Analysis
- Feeder Analysis
- Capacitor Optimization
- Phase Balancing
- Switching Point Optimization
- Short Circuit Analysis
- Interface with GIS system

## Energy Audit & Revenue Analysis

- Energy Audit and Accounting
- Feeder Level, DT Level, HT Consumer
- Revenue Analysis – AT&C Losses
- Company wise, Zone/Circle/Division/Sub-Division/S/S/Feeder/ DT Wise

○ Thank You

**KALKITECH**

