Hi,

Greetings from Kalkitech

We are pleased to share with you the May edition newsletter. This issue focuses on DLMS and covers a range of topics, which includes an overview of DLMS, latest updates, Kalkitech’s solutions and services provided, as well as article about Smart Metering.

**Overview of DLMS/COSEM**

DLMS/COSEM has become arguably, the de-facto energy metering protocol for Metering, Smart Grid Interoperability and AMI, with several countries adopting DLMS as the protocol of choice for smart grid. DLMS User Association has extended the IEC 61334-4-41 Application layer to give a business domain oriented interface object model for metering devices and defined communication profiles based on popular OSI model. [Read More]

**Kalkitech’s DLMS Solutions**

Kalkitech has been continuously involved with the DLMS / COSEM specifications right from its inception, providing the most complete set of solutions for the industry. An active member of the DLMS User Association as well as working committees of DLMS companion standards, Kalkitech has been able to apply its expertise in this field to come up with superior products and solutions for its customers. [Read More]

- **DLMS Hardware**

  Kalkitech provides reliable and rugged hardware solutions for various requirements in Substation Automation, Smart Metering and AMR/AMI – all built on the in-house DLMS platform and also supporting numerous other protocols and technologies like IEC 61850, DNP3, PLC,Zigbee, etc.

  Kalkitech’s DLMS to SCADA gateways has been used in over 30 countries, while its Data Concentrators and Meter Data Acquisition systems has found use in numerous AMR/AMI projects. Meter Interface Cards (MIC) and Meter Interface Units (MIU), is another major product group that enables non DLMS meters to comply with the architecture requirements, through customized solutions. Some of the leading automation giants are using Kalkitech gateways for integrating DLMS meter data into their existing SCADA packages. [Read More]

- **DLMS COSEM-Server and Client Source Code Library**

- **Latest Updates in DLMS**

  - Enhanced access control security and introduced data transport security
  - Introduced communication profile for PLC

To know more on security specific enhancements click [here](#)

Kalkitech conducts inbound and outbound training program in DLMS. To know more on the DLMS training topics [click here](#) or send in your enquiries to [marketing@kalkitech.com](mailto:marketing@kalkitech.com)

**Paper Presentation on “Smart Metering using DLMS”**

Mr. Balagopal Mathoor and Mr. Nirmal Thaliyil of Kalkitech presented an article on smart metering using open standards at ‘Metering India 2011’, conducted by the Indian Electrical & Electronics Manufacturers Association (IEEMA). It mainly explains about the key features of smart metering and the role played by major components in order to make a smart metering system. [Read More]
The DLMS source code library has been implemented across geographies to over 50 customers in the past 6 years. Kalkitech DLMS solution is the most stable and scalable for any metering or embedded system application. DLMS server has been used in more than 35 leading meter manufacturers, while the DLMS client has been deployed by global system integrators in numerous projects.

DLMS OPC ADD-IN

Kalkitech offers OPC add-ins through its product DLMS Explorer. DLMS Explorer is an ideal fit for requirements of meter reading applications and has an install base of over 200 licenses spanning across 20 countries.

DLMS Services, Training and Consulting

Kalkitech has been actively working with DLMS standards and has got a rich experience in this domain. DLMS Services team utilizes this experience in providing the customer in upgrading/migrating their products to have DLMS support.

AMR/AMI Solutions

AMR/AMI solutions from Kalkitech enable utilities, OEM's and distributed business to monitor, manage, control and optimize their metering systems. The metering solutions from Kalkitech, is based on Kalkitech's HDAP architecture, which enable multi-protocol, multi-communication, multi-hardware remote metering. The system is capable of scaling from a small metering requirement for a utility circle to a region, state and nation-wide metering system.

Kalkitech provides end-to-end communication solutions for AMR / AMI including:
- Last mile connectivity devices - SYNC 1000
- Embedded solutions in Meters, HAN devices, etc - SYNC OEM
- Meter Data Concentrators - SYNC 2000, SYNC 3000
- M2M Gateways - SYNC 4000
- Meter Data Head End Systems - SYNC 5000

Kalkitech Libraries are supported on all leading platforms

- Microchip
- Freescale
- ATME
- Teridian
- Texas Instruments
- ST Microelectronics

POWEL ELIN

Kalkitech's technology partner Powel is a leading European manufacturer that provides data collection and data management solutions. Powel ELIN is a vendor independent system that collects and manages the consumption data from virtually any utility meter or sub-meter using open protocols. Adapter modules for electricity, heat, water, and gas accommodate the wide variety of protocols available industry-wide, enabling utilities to operate and manage their heterogeneous metering network with one single system.

DLMS Source and Object Code Libraries

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