

## Kalkitech Press Release

### Mr. Nobin Mathew of Kalkitech presents articles on “DMS Integration” and “AMI Standards” in ‘Smart Grid Engineering’ Workshop at NIT Calicut

Calicut, India, June 2, 2011

Mr. Nobin Mathew of Kalkitech presented articles on the ‘**Integration of a Distribution Management System**’ and ‘**Standards in Advanced Metering Infrastructure**’ at the Faculty Development Programme on “Smart Grid Engineering” conducted by NIT Calicut. The event was held in Kozhikode, Kerala from May 22 to June 4, 2011. The conference focused on the various subjects of Smart Grid (SG) Technology including Role of renewable sources, Hybrid Energy Systems, Control & Instrumentation, Grid Integration, Power quality issues, Custom Power & Facts controllers, and Economics and Regulatory issues.

Mr. Mathew’s presentation on **DMS integration** covered in brief, the requirements and functions of a SCADA/DMS system like Fault Management & System Restoration, Load Shedding Applications, Network Connectivity Analysis, Distribution Load Forecasting, Voltage VAR control, etc. The presentation went on to explain about a typical SCADA/DMS data flow and integration with IT&OT systems in line with the Smart Grid standards & dependencies. Mr. Mathew further talked about the specifications set by the IEC Technical Committee 57 for interoperability: IEC 61968 (for DMS –System Interfaces), IEC 62351 (for data and communication security) and the security, other interface requirements for migrating to Smart Grid.

The presentation on **AMI standards** dealt with how AMI is an integral part of the Smart Grid by being instrumental in self healing, consumer participation, building resilience to attack and assisting other generation options like Distributed Energy Resources (DERs). It further dealt with an overview of DLMS/COSEM standards and how DLMS/COSEM perfectly fits into the smart grid and AMI features like Time of Use Metering, schedule & calendar, load control & management, real-time pricing and self description.

We do sincerely thank the ‘**National Institute of Technology, Calicut**’ for providing us with the opportunity to talk about DMS & its integration as well as Standards for AMI at the Smart Grid Engineering workshop.

#### About Kalkitech

**KALKI Communication Technologies Limited** (Kalkitech) was founded in 1998, with the vision of becoming the leading provider of standard-based Control, Communication



and Computing solutions to OEMs, System Integrators and End-Users in the energy industry. Kalkitech solutions are successfully deployed in over 25 countries in 4 continents, across the full spectrum of the energy value chain. Kalkitech has also been empanelled as a SCADA/DMS consultant under the R-APDRP scheme of Government of India. Continuous innovation through research and development is at the core of Kalkitech's corporate philosophy aimed at creating a Whole New World of Intelligent Energy Systems. For more information, please visit our website: [www.kalkitech.com](http://www.kalkitech.com)

To know more about Kalkitech's offerings for Distribution Management System, please [click here](#).

To know more about Kalkitech's offerings for Advanced Metering Infrastructure, please [click here](#).