

## **Kalkitech Press Release**

### **Article on 'Operating Power Plants at the highest PLF' prepared by Mr. K Sanjivrao is published in Power Today**

**Bengaluru, India, February 11, 2011**

An article on 'Operating Power Plants at the highest PLF' prepared by Mr. Sanjivrao, Assistant Manager, Products at Kalkitech has been published in the February issue of the 'Power Today' magazine. This article points out to the challenges of operating the power stations at a high plant load factor and focuses on why better power plant performance through automation and IT systems is extremely critical to sell electricity at a higher spark spread.

The author talks in detail about how currently decisions are taken by plant operators/executives on real-time as against the events occurring during plant operations. It is quite possible that these decisions may be far from accurate since they depend upon the skills, experience and presence of mind of the plant operator. Also, it is seen that even high-end technologies like SCADA do not provide open decision support facilities. The author then clearly establishes the need for a solution with open decision support systems to guide the system and its stakeholders across various decision scenarios so that accurate decisions can be taken. These models, according to the author, should be open and transformable such that they can be modified to new scenarios so that the decisions result in achievement of end-goals for utilities or consumers.

The article asserts on how the decision support systems should cover the complete plant and auxiliary equipments like economisers, super-heaters, evaporators, engines, condensers, feed water heater, de-aerators, air heaters, pumps, cooling towers, etc. The solution should also monitor equipment stress and be able to calculate its lifetime. It should also have design tools for plant connectivity modifications or should be able to import the model from DCS over an object linking and embedding process control – unified architecture (OPC-UA ) interface (as per CIM). The author goes on to conclude that these initiatives, aimed at improving the PLF of thermal power plants for their optimum utilisation will be sustainable.

Please visit the following link for the article:

[http://kalkitech.com/literature/more/articles/operating\\_power\\_plants\\_at\\_the\\_highest\\_plf\\_power\\_today\\_article\\_by\\_sanjiv/](http://kalkitech.com/literature/more/articles/operating_power_plants_at_the_highest_plf_power_today_article_by_sanjiv/)



## 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)