

## **KLG Systel unveils [www.connectgaia.com](http://www.connectgaia.com) The Intelligent Electricity Platform to Manage Energy Crisis and Global Warming**

***--The convergence of Internet & Power networks to unveil a viable solution for energy demand management and sustained development; Revolutionary technology that empowers consumers to manage electricity better and optimize usage --***

**Mumbai, May 30, 2007:** In India's answer to the global energy crisis, KLG Systel Limited, a US \$ 100 million company, based in Gurgaon, launched the worldwide revolutionary intelligent network -- [www.connectgaia.com](http://www.connectgaia.com) -- here today. The convergence of Internet & Power networks, [www.connectgaia.com](http://www.connectgaia.com) is the only viable solution to the global energy and environment crisis. Apart from India, this solution will be available in the USA, China, South East Asia and Europe.

Today's rising environmental problems are fuelled by increasing human greed for energy, fuelled by the inexorable pace of societal development. Many of the key 20<sup>th</sup> century trends including higher reliance on fossil fuels; slow diffusion of renewable energy techniques; rising electricity consumption; rising per capita use of energy in developed countries; and higher percentage of population with access to it in developing countries - have unleashed a cataclysmic change in the energy balance of the planet. Every passing day requires greater amounts of energy to sustain life, growth and development. The worst hit by this double-edged sword is the Power Sector, a major sector in primary energy demand.

Power is vital for development, but prevailing methods of power production are irrevocably affecting the ecosystem. The world is facing a major Energy Crisis and the outlook in the next 20 years is grim. Among all major end-use energy sources, electricity is projected to grow most rapidly by 2.6% per year, as against the 1.6% growth of primary energy demand, nearly doubling between 2004 and 2030 (from 14376 TWh in 2004 to 28093 TWh in 2030). Power generation is currently responsible for 41% of global energy related CO<sub>2</sub> emissions. This is expected to rise to 44% by 2030, because of growing electricity share in energy consumption.

A viable solution to this dilemma is necessary to support fragile ecosystems and cause minimum impact to environment. Current solutions deliberated upon today are not economically viable and may take years to implement. The only workable solution at present lies in better electricity management without curtailing development.

The need of the hour is a united, interactive and robust power delivery system that ensures secure and reliable power, a solution that not only enables users to view and manage their energy consumption, but empowers them to optimize their usage. Through efficient energy management [www.connectgaia.com](http://www.connectgaia.com) optimizes and saves electricity consumption while contributing to a less polluted tomorrow.

A united, interactive and intelligent internet platform, [www.connectgaia.com](http://www.connectgaia.com) will pool, dispersed and diverse resources and enable the evolution of a power generation, transmission and distribution network, that is flexible, accessible, reliable, and economical; a network that communicates and is in complete synergy with nature. And being accessible through the web this solution is not restricted to any geographical area and is available to the world.

A product of KLG Systel's relentless R&D, [www.connectgaia.com](http://www.connectgaia.com) is built on IBM's proven and tested communication protocols, database and middleware technologies that reflect IBM's commitment to implementing an 'Intelligent Energy' strategy. This revolutionary platform resulting from the convergence of IT and power networks is where IBM and KLG's vision dovetail. IBM is committed to conserving energy and protecting the environment for which the company offers a comprehensive and simplified set of energy-reducing systems management tools. The IBM SOAArchitecture has helped [connectgaia.com](http://www.connectgaia.com) in meeting the complex challenges of building a robust and collaborative platform that can be harnessed to deliver greater efficiencies in Demand Response. As today's electricity market evolves and looks for new ways to augment the global power demand, SOA gives [connectgaia.com](http://www.connectgaia.com) the flexibility to adapt to the myriad demand side requirements of consumers.

Leveraging advanced metering, sensors, proven IP communication technologies and a robust IT backbone, www.connectgaia.com works through one or more intelligent devices installed at the customers premises after understanding their business requirements, geographical/ administrative entities and their metering and wiring controls. With www.connectgaia.com, there is no software to install or maintain. Customers can log in to a secure account anytime from anywhere and view concise charts to pinpoint energy consumption trends quickly. www.connectgaia.com not only enables users to view and manage their energy consumption but also empowers them to optimize their resources. Users can also switch on or off lights, air conditioners, equipment and machinery from remote locations through a secure web page.

The www.connectgaia.com solution not only optimizes and saves power but also puts a tremendous economic advantage in the hands of individuals and businesses. www.connectgaia.com not only helps save resources but also helps save on costs and energy spent. With www.connectgaia.com every megawatt of energy saved is a megawatt of energy earned. The www.connectgaia.com solution makes human society richer by earning 'Negawatts'.

Says, Kumud Goel, Managing Director, KLG Systel Limited, "The current energy and environment crisis is a result of our unending quest for 'development'. But we have come to a point where it is not development we are facing, but destruction. What kind of an environment are we creating for our children? ... While governments debate on alternative energy sources and global warming, we waste precious time. There is only one way forward for us let us join hands and optimize our electricity consumption and give back to Gaia what it continues to give us Energy and Life."

He adds, "In this venture we are supported by IBM whose SOA architecture has helped connectgaia.com deliver greater efficiencies in Demand Response. We are confident that www.connectgaia.com will revolutionize energy management in the future and will contribute to alleviating the impending energy crisis that faces the world today."

Anil Menon, Vice President - Marketing & SWG Ecosystem, IBM India/SA, said, "www.connectgaia.com is an innovative platform that aims to transform power utilization, both from delivery and demand perspective. We are pleased to partner with KLG Systel in this initiative and are confident that www.connectgaia.com will serve the user community well".

### **About KLG Systel Limited:**

KLG Systel is a leading 'Knowledge Company' in India providing IT-centric, organisation-life-cycle software solutions, consultancy, support and training and services to organizations in the process, power, manufacturing and infrastructure sectors.

KLG's business model is a blend of industry domain knowledge and core IT/IS technology from industry leading partners such as IBM, Invensys, Autodesk, COADE, and SAP. This model addresses the needs of a very wide spectrum of customers that include the Top 500 Indian companies (Government & Private Sector) and Indian arms of the Fortune 500 companies.

### **About IBM**

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