



Pacific Controls launches energy services on the cloud



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Home to Enterprise Energy Services on the Cloud

- Global Delivery of Sustainable Technology Solutions
- Realtime Measurement and Verification of Carbon Footprint in Homes, Buildings and Infrastructure Globally

www.pacificcontrols.net



Homes



Buildings



Industries



Airports



Pacific Controls launches home to enterprise energy services on the Cloud

Offers real time measurement and verification of carbon footprint for homes, buildings and infrastructure globally using cloud computing.

Dubai, UAE – 3rd November, 2008: Pacific Controls announced today that they have established a state of the art Global Command Control Centre at their headquarters building in Techno Park, Dubai, UAE.

This Energy Services Global Command Control Centre will offer their Customers, Business Partner's Government and International Agencies, the ability to carry out measurement and verification of carbon footprint for homes, buildings and infrastructure globally in real time.

The Energy Services Global Command Control Centre creates a new dimension in the business of carbon footprint measurement and verification. Pacific Controls has deployed their custom built high performance software platform on advanced distributed computing from "IBM" and networking technology from "CISCO" to offer energy services on the cloud computing at their Energy Services Global Command Control Centre in Dubai and at their Data Centres in New York, London, New Delhi, Singapore and Sydney, which are seamlessly connected through the cloud enabling Pacific Controls global customers to leverage the latest technology of cloud computing to their advantage to manage and perform Energy Services in homes, buildings and infrastructure.

"We are pleased to announce this unique service that is being offered to customers around the world who requires managed energy services, enabling a 24X7X365

monitoring measurement and verification of carbon footprint of assets. This new capability will enable Pacific Controls to offer energy services resulting in reduction of energy consumption in assets up to 20%. These services are being offered at a fraction of the cost of traditional energy services currently available in the market", said Dilip Rahulan, Chairman & CEO of Pacific Controls.

As the need for energy services is increasing exponentially due to the threat of climate change it has become mandatory to address the consumption of energy in homes, buildings and infrastructure as more than 45% of the global energy produced is consumed by buildings. Pacific Controls global energy services on the cloud is a revolutionary approach towards quick and aggressive deployment of energy saving measures and the establishment of the Global Command Control Centre offers value added knowledge process outsourcing services with subject matter specialist in all areas of energy functions available 24X7X365 for customers globally.

"The WWF Living Planet 2008 report highlights UAE as having the largest per capita carbon footprint in the world based on statistics gathered in 2005. This reiterates the urgent need for implementing cost effective energy management and control systems in this region. This has motivated Pacific Controls to address energy savings in homes, buildings and infrastructure by using state of the art technology cost effectively with cloud computing", said Nigel Mackenzie, CTO and Business Development Manager of Pacific Controls.

"We are proud to be a part of this initiative" and Pacific Controls is investing over 100 Million US Dollars to establish this global infrastructure to deliver cost effective energy services in millions of assets around the world, said Dilip Rahulan, Chairman & CEO of Pacific Controls. Climate change has become one of the major challenges for mankind and for the natural environment. Greenhouse gas emissions released into the atmosphere in ever rapidly growing volumes are recognized to be responsible for this change. Buildings are the main culprit. Carbon footprint quantification, analysis and reduction are keys to prevent further degradation of our environment

About Pacific Control Systems

Pacific Control Systems LLC is an ISO 9001:2000 company providing total automation solutions globally. Pacific Controls leads the industry in providing energy services using technology for sustainable development. The company offers a range of products and solutions that are internet ready and seamlessly integrates into existing IT infrastructure enabling global connectivity resulting in continuous energy management services. Information about Pacific Controls can be found at <http://www.pacificcontrols.net>.

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Pacific Controls Energy Services Global Infrastructure and Global Command Control Centre.



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Pacific Controls provides Cloud computing system integration and managed infrastructure services for everyone from home to enterprise. It is a style of computing in which “Energy performance” related capabilities are provided “as a service”, allowing users to access them from the Internet (on the cloud) anywhere in the world.

Today’s multi-polar business world marked by an increasingly inter-dependent global marketplace is underscoring the importance of sustainability. Multinationals are increasing their commitment to reducing carbon footprints. Customers are making decisions to favor companies and products that are environmentally and socially responsible.

By combining advanced design technology with world-class technical expertise, we provide outstanding solutions to many of the key issues facing today’s world.

We leverage our computing cloud to embark on machine-machine (M2M) applications and use SaaS (Software as a service) right from real-time monitoring and verification to energy performance and carbon foot printing.

Energy performance can be classified as:

- Real-Time: the current real-time value of points.
- Historical : Bulk trend data of timestamp/point values

Cloud architecture assumes hundreds or even thousand’s of Pacific Controls U-Boxes all networked together and operating as a computing grid. Cloud architecture is intrinsically redundant and secure.

Pacific Controls also offers premium value based monitoring and advisory services through state of the art Energy Services Global Command Control Centre .

The Energy management services we offer are:

Energy Information and Decimation System- The service visualizes the need of energy information system that can be integrated with building automation and control system. The system is capable of storing, displaying, analyzing data and generates alert and predictive alarms. The system carries out automatic diagnostics of energy incident and power flow monitoring.

Carbon Footprint-Climate change has become one of the major challenges for mankind and the natural environment. Greenhouse gas emissions released into the atmosphere in ever rapidly growing volumes are recognized to be responsible for this change. Buildings are the main culprit. Carbon footprint quantification, analysis and reduction are keys to prevent further degradation of our environment

Energy Benchmarking-Actual Energy usage profile is studied and benchmarked against the standard benchmarking data or of other similar buildings.

Energy Efficiency Advisory Services- Recommendations made based on observations, trends, standard benchmark figures, operating practice, type of equipments, loading characteristics and part load efficiencies can serve in enhancing the overall performance of the system.

Annual Energy Budgeting and Targeting-Energy model of a building is created by performing hourly energy simulation of the building. The energy meter data and bills are used for energy trending and performing accurate calibration model for creating an energy budget for the facility, which forms the target for energy consumption.

Energy Efficiency Mapping – This service is designed to facilitate an online equipment efficiency auditing. The objective is to track each KWh fed to the building system. Compatible GUI is available online and has the capability to generate reports on various equipments.

Energy Efficiency Measure and Retrofits- The results of energy audit reports, calibrated energy model and benchmark figure for the location and system design outputs make it possible to play with the building material, equipment and design alternatives to see the deviation in energy usage and system sizes. This exercise is generally helpful in pre-commissioning stage in selection of the construction material, insulation levels and type of glazing etc. Various possible energy conservation measures with associated cost are worked out and optimum energy conservation measures are selected based on the life cycle costing. This would help owner to differentiate the feasibility of proposed retrofits in the existing buildings.