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BuildingIQ Announces Predictive Energy Optimization Pilot Project with Argonne National Laboratory

First U.S. pilot with the Department of Energy's Argonne National Laboratory

Sydney, Australia – September 21, 2010 – [BuildingIQ](#), an energy management software company, today announced its first Predictive Energy Optimization pilot project in the United States at the U.S. Department of Energy's (DOE) [Argonne National Laboratory](#).

The *BuildingIQ* pilot installation, together with Argonne's expertise in optimization and modelling, is expected to improve energy performance at Argonne's Theory and Computing Sciences (TCS) building as well as enable the further collaboration and development of sustainable innovative technologies between BuildingIQ and leading researchers at the facility.

TCS is the largest and newest building at Argonne. Completed in 2009 and occupying more than 200,000 sq. ft., the building features a Metasys building management system (BMS) from Johnson Controls. The *BuildingIQ Predictive Energy Optimization* system plugs into the building's BMS and leverages the existing energy infrastructure to reduce energy use without costly upgrades or capital projects.

“Argonne is excited about piloting this innovative technology,” said Victor Zavala, Argonne scholar. “BuildingIQ’s system provides a powerful framework for energy management that will reduce our carbon footprint and energy costs. The system combines advanced concepts in real-time building modeling, machine learning, and adaptive control that enable precise predictions and optimization of the energy demands, representing the next generation of energy management in buildings.”

The *BuildingIQ* system has a unique ability to reduce energy usage while minimizing tenant impact. The system automatically learns the building's thermal characteristics; incorporates weather forecasts, electricity tariffs and other factors such as demand response signals; and then continuously manages the energy use in the building to optimize cost, emissions and occupant comfort.

“We are delighted to be working with Argonne National Laboratory as part of BuildingIQ’s U.S. expansion,” said Michael Zimmerman, CEO of BuildingIQ.

“Argonne has a long history of innovation and is playing a key role in delivering on the Department of Energy’s objectives of reducing energy use in commercial buildings across the country.”

About BuildingIQ

Founded in 2009, [BuildingIQ](#)’s technology leverages years of building controls and thermal comfort research carried out by world-leading experts at the Energy Transformed Flagship Division of the Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia's national research organization. BuildingIQ is the exclusive global licensee of CSIRO’s building energy optimization technology. BuildingIQ’s mission is to change the way energy is managed in commercial buildings. Addressing the fundamental shortcomings of HVAC systems and the complexity of traditional controls, BuildingIQ’s Predictive Energy Optimization approach reduces energy cost and emissions in commercial buildings.

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