

CABA Completes “Intelligent Buildings: Design & Implementation” Study

February 14, 2018

The Continental Automated Buildings Association, through its Intelligent Buildings Council, has completed its \$150,000 collaborative research study on “Intelligent Buildings: Design & Implementation”.

The key focus areas of the study included: evaluating the benefits of adopting proper design and implementation practices; understanding various design processes currently in use and the ways to improve their adoption; addressing issues and challenges propagated by value chain participants and determining ways to mitigate them; and determining opportunities for collaborations and partnerships to address common challenges.

The research found that there are no clear cut methods or implementation processes that specifically exist for intelligent building projects. However, various permutations of widely used and traditional design and procurement methods, such as bid-and-spec and construction management, currently serve as “go-to methods”. Due to a lack of focus in implementation, intelligent building design implementation projects often fail their strategic objectives because of a lack of partner alignment, unclear vision and strategy, disjointed planning and the inability to effectively monitor, test and adapt building performance.

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The report notes that remediation of such challenges call for consensus building among intelligent building value chain partners, including owners and occupants, in order to deploy corrective techniques and comply with them in an objective manner. Best practices are identified in the report that can optimize design and implementation processes and strengthen the intelligent building value proposition.

“CABA believes that high quality research focused on the proper design and implementation of building systems is crucial to staying competitive in this dynamic connected marketplace,” stated Ronald J. Zimmer, CABA President & CEO. “We believe that this study helps quantify current and near-term opportunities that proper design and deployment provides to automated building management and operations.”

The following CABA members sponsored the study: Audiovisual and Integrated Experience Association (AVIXA), BOMA Toronto, Cadillac Fairview Corporation, Current, powered by GE, Cyber Power Systems, Inc., Daikin Industries, Ltd., Enlighted Inc., ENTOUCH, Honeywell International, Inc., Intel Corporation, Johnson Controls, Kimberly-Clark Professional, KMC Controls, Natural Resources Canada (NRCan), New York State Energy Research and Development Authority (NYSERDA), Public Services and Procurement Canada, Renesas Electronics America Inc., Robert Bosch LLC, RYCOM Corporation, Siemens Industry, Inc., Solbright Group, Inc., Southwire

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Company, LLC, Steelcase Inc., TELUS, UL LLC, United Technologies Corporation (UTC) and Yorkland Controls Ltd.

Frost & Sullivan, a CABA member and a consulting firm which provides market research and analysis, growth strategy consulting, and corporate training services across multiple industries, was contracted to undertake the research.

The study was a major initiative of the CABA Research Program, which offers a range of opt-in technical and advisory research services designed to provide industry stakeholders with collaborative research and R&D opportunities.

The report will be released for sale at the CABA member price of \$4,900 on June 6, 2018, after an embargo period ends.

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About CABA

The Continental Automated Buildings Association (CABA) is an international not-for-profit industry association dedicated to the advancement of intelligent home and intelligent building technologies. The organization is supported by an international membership of over 330 organizations involved in the design, manufacture, installation and retailing of products relating to home automation and building automation. Public organizations, including utilities and government are also members. CABA's mandate includes providing its members with networking and market research opportunities. CABA also encourages the development of industry standards and protocols, and leads cross-industry initiatives. More information is available at www.caba.org.

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