



Altair's Toggled Survey Reveals Overwhelming Adoption Rates for Smart Building Tech, Significant Headroom Remains for Data Analytics in Facilities Management

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78% of businesses have adopted smart building tech to drive energy efficiency, lower costs, decrease carbon emissions, and manage return to work – yet gaps still exist

TROY, Mich., May 19, 2023 /PRNewswire/ -- [Toggled@](#), a wholly owned subsidiary of [Altair](#) (Nasdaq: ALTR) focused on intelligent building management solutions, released survey results revealing that while many businesses are embracing smart building technology to increase energy efficiency and lower costs, they fall short of their goals due to an inability to master the data. The independent survey of more than 500 facility decision-makers throughout several industries gauged smart building technology adoption, its business benefits, and its impact on sustainability initiatives.



"It's clear from our survey the battle for smart building adoption has been won. But we can't stop there. By helping facilities establish a complete tech-to-intelligence loop, they can fully optimize energy and cost efficiencies," said Daniel Hollenkamp Jr., chief operating officer, Toggled. "Most businesses are only scratching the surface of what the technology can do. Once facility managers start to capitalize on what their performance data is telling them and where to adjust, the true business value of a scalable and flexible IoT-enabled smart building network comes to life."

Adoption is high and strides are being made

According to the survey, as many as 78% of respondents have deployed smart building features, and the same percentage of this group (78%) has seen an increase in energy efficiency and cost reduction as a result of using the technology.

While the results demonstrate businesses are making great progress in lowering energy use and costs, nearly two-thirds of facility decision makers (64%) say they are still looking for ways to monitor and analyze their carbon footprint or greenhouse gas emissions in their facilities. Only 36% have seen measurable results in decarbonization.

Verification and analysis are low, inhibiting further progress

Most respondents (94%) who have implemented smart building technology say their organization has invested in data analytics. However, as many as 34% say they lack the talent and skills to integrate data science into their smart building platforms. This underscores the importance of businesses choosing a system capable of customizing analytics to the facility and providing simple actionable information in a timely manner. These features enable users to monitor building performance based on real-time data insights, directly from web-based devices without extensive coding or data science knowledge. By doing so, organizations can gain awareness into how these systems are optimizing performance while also lowering their carbon footprint.

More key findings from the survey include:

- **Smart building tech is smart, but is it simple?** While many decision-makers surveyed expressed some degree of knowledge when it comes to smart building technology, as many as 88% have the desire to learn more.
 - Many face several challenges when it comes to upgrading their lighting and HVAC systems with advanced smart technology.
 - Over half (55%) of respondents named complexities around integrating smart technologies with their current infrastructure as one of their significant challenges.
 - 38% lack a dedicated, knowledgeable staff to keep smart building tech running smoothly.
- **Getting smarter to support new return-to-work models:** Although most organizations have turned to smart technology to monitor energy consumption and bring down costs of operations, climate control – including temperature (65%) and humidity (45%) – scored high among respondents along with occupancy and space utilization (52%), which can be attributed to a renewed focus on the evolving workplace post-pandemic.
- **Commercial real estate (CRE) owners better get smart fast:** While the survey confirmed smart building adoption is more prevalent among decision-makers at organizations that own their facilities, it revealed 41% of organizations that lease their space are looking to relocate to commercial space that's more "green," with 51% seeking facilities with more smart building technology.
 - Over half (58%) of this group are looking to secure a new lease within 11 months or sooner.

"So many of the issues underscored in the survey results are something we see every day and why we developed our solution with so much intention around simplicity, customization, and integration," said Hollenkamp. "By giving users a customizable data analytics dashboard that generates real-time overviews on building efficiencies and anomalies, they gain complete control over their smart building environment so they can optimize performance."

The national survey was commissioned by Toggled and conducted by Atomik Research between April 13 and April 19, 2023. The survey drew responses from 505 U.S. decision-makers who hold authority over their organization's facilities throughout several target industries, including construction, financial services, information services, manufacturing, healthcare, education, real estate, agriculture, restaurant/food and beverage, transportation, energy, hospitality, and tourism.

About Toggled

Toggled and Toggled iQ are registered trademark brands of Illumisys, Inc. (dba Toggled), a wholly-owned subsidiary of Altair (Nasdaq: ALTR). Toggled iQ is a networked lighting and building control system that leverages the Internet of Things, enabling customers to create unique and scalable solutions across many use cases including, lighting control, HVAC, remote sensor monitoring, and intelligent building control. To learn more, visit <https://toggled.com>.

About Altair (Nasdaq: ALTR)

Altair is a global leader in computational science and artificial intelligence (AI) that provides software and cloud solutions in simulation, high-performance computing (HPC), data analytics, and AI. Altair enables organizations across all industries to compete more effectively and drive smarter decisions in an increasingly connected world – all while creating a greener, more sustainable future. For more information, visit <https://www.altair.com/>.

Media Contact:

Altair

Jennifer Ristic

+1.216.849.3109

jristic@altair.com

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