

# AIA/ TEXO

# TECHNOLOGY SUMMIT RECAP



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**O**n May 4, The AIA/TEXO Technology Summit brought together a panel of technology titans, equipped and eager to share the latest disruptive trends in building technology. From automation to optimization and experience, the topics expounded upon in this year's Technology Summit included insight from Fortium Partners, Acuity, Honeywell, Procore, Crestron and Intelligent Building Technology.

As thought leaders in the building technology sector, each of these companies shared their research and insight into the following questions:

How do we optimize building infrastructure and MEP systems? How do we streamline project

communication and collaboration? How do we enhance audio-visual experience? How will the Internet of Things allow us to automate building systems? How will Big Data allow us to manage connected buildings? How do we exceed owner's environmental and financial objectives? How do we future-proof buildings and ensure public safety?

The answers lie in the tools that are now readily available, specifically through the hardware and software solutions developed by companies such as Honeywell, Acuity, Distech Controls, Procore, Crestron, IBT Connect, SageGlass, Whitlock Group, Jobsite Tech Group, GeoShack, Roxul, Graphisoft North America and Sonetics. Each of these companies was represented and offered wisdom proactively leveraging technology in building design

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and construction. The technology offered provides a means to enhance how users experience their environment as well as how buildings can be better managed and maintained.

## SOLUTIONS

Duncan Bennett of Honeywell and Kathleen Bunyer of Acuity focused on the internet of things (IoT) in building automation. Each emphasized that efficiency impacts experience and performance. Building solutions in IoT and automation include: energy management, building management, IP convergence, security, service, and life safety, all of which affect the owner and end user. Encouraging attendees to consider implementing these building solutions, Duncan and Kathleen covered topics such as remote monitoring and access, performance data, occupancy comfort, employee productivity, energy consumption, operational efficiency, predictive maintenance, financial planning, use of sensors, building resiliency, and open protocol controls platforms.

Similarly, Marc Harrison of Crestron provided information on scalability of technology devices, trends in conferencing space and collaboration platforms. He described a range of capabilities available to integrate into buildings, including controls, bring-your-own-device, laptop connectivity, video conferencing, multiple displays, annotation, content sharing, lighting control, shade control, room scheduling, 4K video, wireless and wired devices, and streaming.


Tyler Hall with Sage Glass dialed in to the benefits of improving efficiency and experience through solutions such as electronically tintable glass, which can be integrated into a building's management system. Optimizing and controlling solar heat gain and visible light transmittance are critical techniques for reducing energy consumption and providing thermal comfort to users.

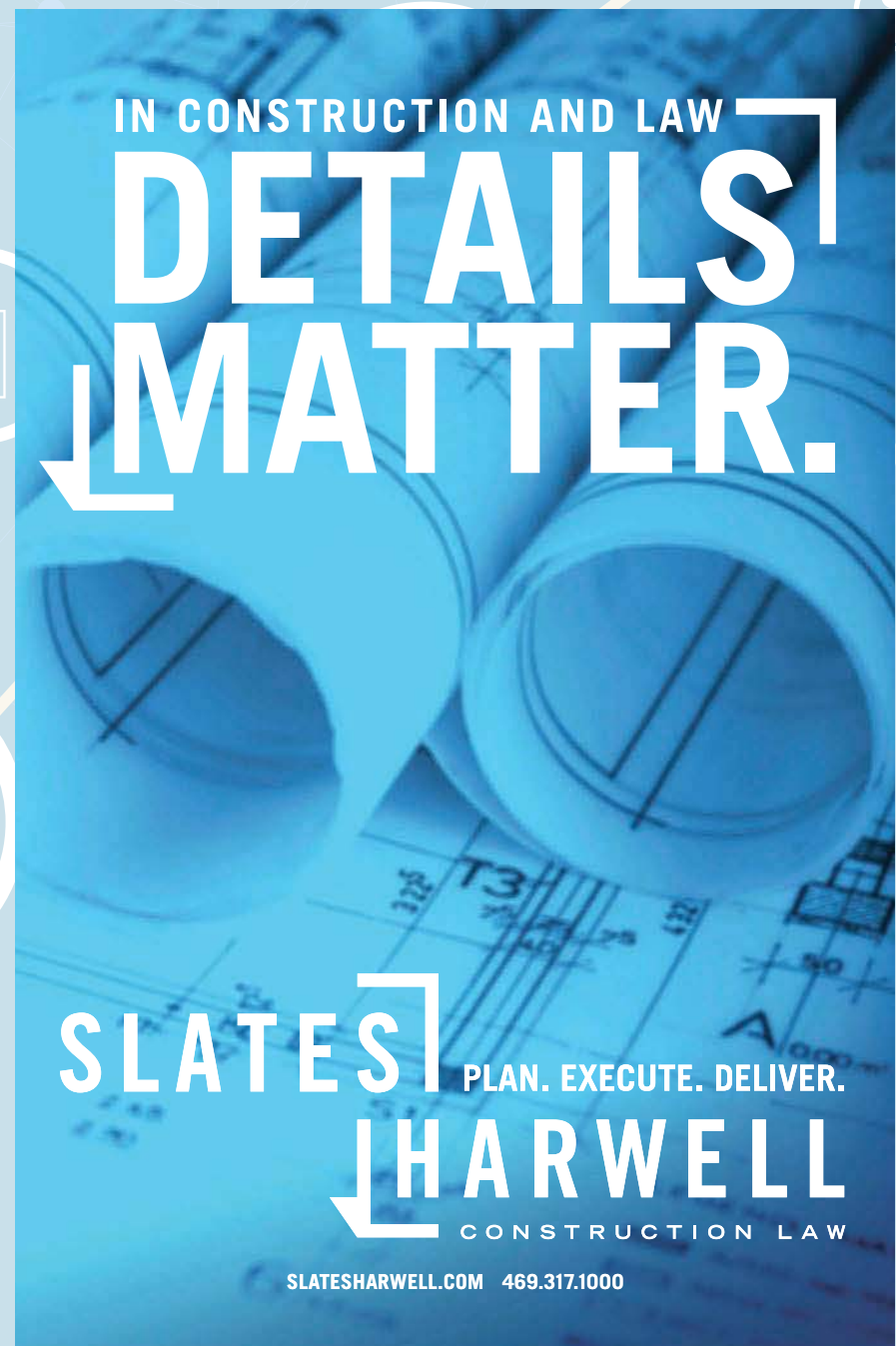
Chandler Brooks of Procore elaborated on the implications of cloud-based construction-management software. He emphasized the importance of utilizing construction OS software for project management, quality and safety, and construction financials for projects and the ability for every member of the project team across all disciplines to engage.

Raul Guerra and Scott Usvolk with Intelligent Building Technology spoke to the issue of deadzones in buildings, which compromise in-building communications. Through an analysis of the building

materials that frequently block cell and radio signals, Raul and Scott proposed integrated technology vital to improving wireless coverage and ensuring emergency communications are not hindered.

In addition to answering some of the industry's most critical questions on the impact of integrated building technologies, the AIA/TEXO Technology Summit seeks to equip attendees with valuable

resources, connections and contacts to better leverage technology in building design. The tools described above are only a brief outline of the diverse solutions described at the Technology Summit. Each of the technology titans and industry thought leaders described above posit this concluding question: How do we transform the built environment to enhance user experience and evolve how buildings are managed and maintained? 



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