



ASHB

Intelligent Buildings Council

ASHB Intelligent Buildings Council (IBC)

Draft Meeting Minutes

Thursday, May 9, 2024

12 NOON - 1:30 PM (ET) via Webinar

IBC Executive:

IBC Chair, Bob Allan (NAVCO, Inc.)

IBC Vice-Chair, Chris Larry (Exp US Services Inc.)

IBC Vice-Chair, Harsha Chandrashekar (Honeywell International Inc.)

IBC Vice-Chair, Robert Lane (Robert H. Lane & Associates Inc.)

Present:

2030 Districts Network, Jiri Skopek

Aero, Anders Hallstrom

Aircuity, Inc., Duane Keenan

ASU, Craig May

Baker Group Automation, Dale Drent

Baker Group Automation, Russ Zimmerman

Bassett Mechanical, Mike McGuire

Belimo Americas, Justin Lindstrom

Belimo Americas, Randi Rosenzweig

Belimo Americas, Salvatore Cataldi

BIG - Building Intelligence Group, Ben Disney

BOMA Canada, Matthew Chambers

c3, Dan Cooke

CannonDesign, Brian Green Carson

Carbon Connector, Ted Atwood

Cime LLC, Jeremiah Sishka

Cimetrix Inc., Jim Lee

Clockworks Analytics, Chloe Smith

Clockworks Analytics, Nick Gayeski

Clockworks Analytics, Sarah Fisher

Clockworks Analytics, Jamey Wozniak

Clockworks Analytics, Bret Henderson

Clockworks Analytics, Jodi Dowis

Clockworks Analytics, Charles McLewin

Contemporary Controls Systems, Inc., Bennet Levine

CUNY Building Performance Lab, Michael Bobker

DB Engineering, Tom Skoczylas

Delta Controls, A Delta Group Company, Drew Perrin

Delta Controls, A Delta Group Company, Gary Harvey

Distech Controls Inc., An Acuity Brands company, Asim Baig
Distech Controls Inc., An Acuity Brands company, Charles Pelletier
Distech Controls Inc., An Acuity Brands company, Efren Marquez
Distech Controls Inc., An Acuity Brands company, Martin Villeneuve
EBTRON, Inc., Lisa Hickey
Energy Systems, David Savard
Evolved Lighting & Energy, Zack Griffin
Ezenics, Inc., Jacob Miller
Ezenics, Inc., Benjamin Kelderman
Ezenics, Inc., Jim Boler
Ezenics, Inc., Kelsey Haas
FacilityConneX, Stephanie Lanker
Ferguson Design and Technology, Patrick Ferguson
Functional Devices, Inc., John Binger
G&B, Khoeun Meisinger
Harbor Research, Inc., Pablo Cruz
Honeywell International, Inc., Brad Hill
IFMA, Angie Dyson
Infrastructure Ontario, Mandy Omrani
InteliGlas Corporation, Rhyne Brown
INVICARA, Dilli Babu M
J2 Innovations, Scott Muench
Johnson Controls Inc., Tushar Kshirsagar
Johnson Controls Inc., Jon Douglas
Johnson Controls Inc., Jonathan Da Silva
LBNL, Yimin Chen
Leading Edge Design & Systems, John Tabb
Legrand North America, Laura Wier
Legrand North America, Shana Longo
Medallion Corporation, Alexandre Do Amaral
Metrikus Ltd., Michael Grant
Nair and Associates, LLC., Prasad Nair
Natural Resources Canada (NRCan), CanmetENERGY, Bo Jiang
Oregon Convention Center, Bryan Brown
PaceControls, LLC, Rafael Coven
Parity, Inc., Cameron Rapoport
Picacity AI, Inc., Sumeet Johar
Plutinsus, Wolfram Willuhn
QstN LLC, Sam Mueller
Schneider Electric, Wayne Stoppelmoor
Schneider Electric, Carlee Groves
Scott Group, Paul O Connor
Seneca, Filimon Tsionas
Siemens Industry Inc., Dmitry Sazykin
Siemens Industry Inc., Daniel Vilhena
Siemens Industry Inc., Carl Bengtsson

Siemens Industry, Inc., Benjamin Crowe
Siemens Industry, Inc., William Vargo
Siemens Industry, Inc., Yury Bubnov
Strategic Energy Group, Kevin Fish
Strategic Energy Group, John Wiebke
Strategic Energy Group, Jamil Panni
Telnet Management Consulting, Inc., Fawzi Behmann
The Chicago Faucet Company/Geberit Group, Greg Hunt
TMA Systems, Harry Kohal
Turner Construction, Janet McElroy
Unify AE, Junaid Mohioddin
Vallarta Supermarkets, Steve Goh
Vigilent, Jason Runge
Vigilent, Mohammed Almatar
Vigilent, Clifford Federspiel
Vigilent, Mark Housley
Vigilent, Bob Thronson
Watts Water Technologies Inc., Jay Vath
Watts Water Technologies Inc., Conrad Jahrling
Thermelgy, Jayesh Jain

1. **Agenda** – Greg Walker (ASHB)

Greg Walker thanked everyone for attending, outlined the agenda, and alerted everyone that the meeting was being recorded and would be made available to the industry.

2. **Call to Order, Welcome, and Introduction** – Marta Klopotoska (ASHB)

Marta Klopotoska greeted all attendees and announced that she would be filling in for Bob Allan, IBC Chair, who was unable to attend the meeting. She also introduced: IBC Vice-Chairs, Harsha Chandrashekar (Honeywell International, Inc.), Robert Lane (Robert H. Lane and Associates, Inc.) and Christopher Larry (Exp US Services Inc.),

3. **Administrative** – Marta Klopotoska (ASHB)

Motion to Approve Past IBC Minutes

Marta Klopotoska informed everyone that the meeting minutes from the February 22, 2024 IBC meeting were circulated and posted on the ASHB website in the IBC section: www.ashb.com/ibc.

A motion to approve the February 22, 2024, IBC minutes was moved by Cameron Rapoport (Parity, Inc.), and the motion was seconded by Chris Larry (Exp US Services Inc.). Unopposed motion passed.

4. **Research Update** – Greg Walker (ASHB)



2024 IBC Landmark Research – Smart Building Trends & Technology Adoption

Greg Walker gave a brief overview of Landmark Research Project titled Smart Building Trends & Technology Adoption. This project has garnered support from 16 funders thus far, and ASHB expresses sincere gratitude for their invaluable support and guidance. An RFP went out to ASHB member research firms late last year leading to the selection of Harbor Research by the initial funders. The research will utilize both industry expert interviews and consumer surveys (targeting 300 Commercial Buildings Owners/Operators in Canada and USA and will cover key topics/opportunities to gain an annual perspective of operator needs/outlook). It is essential to note that these projects, collectively valued at approximately \$80K USD, will have an exclusive release to the project's funders.

There are two distinct funding tiers: Bronze, priced at \$5K, which grants access to the research findings, and Silver, priced at \$10K, enabling participation in the Steering Committee and shaping of the project's direction. For those interested in joining this initiative, please do not hesitate to reach out to us at admin@ashb.com or contact Greg Walker directly at walker@ashb.com.



Annual BACS Market Sizing North America

Greg Walker gave a brief overview of this annual, invitation-only, market sizing study focusing on building automation control systems. The project will continue in 2024 and 2025 and may be expanded to additional field devices and geographical areas. Ten (10) ASHB members have agreed to fund and participate in this research project:

5. Keynote: Transforming Facilities Management with Fault Detection and Diagnostics (FDD) – Chris Larry (Exp US Services Inc.) & Nick Gayeski (Clockworks Analytics) (30 min)

Chris Larry introduced Nick Gayeski who presented on the topic.

Description: The facilities management industry is undergoing a transformation towards proactive, analytics-driven operations. Leading organizations are leveraging Fault Detection and Diagnostics—building analytics software that continuously monitors building systems and prioritizes the highest-impact issues—to unlock the power of their building data to accurately calculate cost impacts, detect energy-wasting issues early and reliably, shift to a condition-based maintenance (CBM) approach, and more easily report impacts.

In this session, Nick Gayeski, Co-CEO and Co-Founder of Clockworks Analytics, provided an overview of FDD and shared specific examples of how organizations are utilizing it to improve the energy, comfort, and maintenance in their own facilities or the facilities they service. Nick also touched on how Clockworks is using AI, both expert systems and machine learning, to scale building analytics globally.

Contact keynote:

Nick Gayeski nick@clockworksanalytics.com

6. ASHB Podcast – Marta Klopotoska (ASHB)

Marta Klopotoska outlined ASHB's Podcast series on [Spotify](#) and [Apple Podcasts](#). ASHB's most recent recordings released focused on AI's impact on smart buildings, the evolution of fire safety technologies, and collaborative efforts in solar energy. Contact ASHB to learn how to participate as a guest or host on a future episode admin@ashb.com.

7. ASHB Whitepapers – Marta Klopotoska (ASHB)

An overview was given of the IBC White Paper review process, completed IBC White Papers and papers in progress. IBC White Papers are secondary literature review articles that are approximately 10-20 pages in length. These papers are written and distributed free of charge to inform the industry. For the papers to be approved by the IBC White Paper Sub-Committee (WPSC), they must have significant technical material of relevance to IBC members. They must not contain marketing material or promote an agenda. Any ASHB member can and is encouraged to complete the [white paper proposal](#) on the ASHB website.

All completed and approved ASHB White Papers are placed in the ASHB Public Library, Members Library, ASHB NewsBrief, ASHB Twitter Feed, and ASHB LinkedIn Group and

promoted at industry events. To view the IBC White Paper terms of reference, previous IBC White Papers, and additional information, please go to: www.ashb.com/whitepapers.

IBC White Paper Sub-Committee:

- Ken Wacks Associates, Kenneth Wacks
- Consultant, Steve Samson
- Frost & Sullivan, Dilip Sarangan
- National Research Council Canada (NRC), Heather Knudsen
- Sustainable Resources Management Inc., David Katz

ASHB is currently forming a working group under the leadership of Jerry Overton from appliedAIstudio to develop the white paper "AI-Powered Smart Homes: Revolutionizing Caregiving for Aging and Disabilities." This project aims to explore advanced AI solutions that enhance safety and support for elderly and disabled individuals in their homes. The focus will be on identifying and filling market gaps related to accessibility, usability, and affordability, as well as creating inclusive and innovative solutions. The group will engage in activities ranging from the initial formation and research phase to the drafting and finalizing of the white paper, incorporating stakeholder feedback throughout the process. Membership in ASHB is not required to join this group. For those interested in joining, please reach out to us at admin@ashb.com.

8. Other Business – Marta Klopotoska (ASHB)

Marta Klopotoska called for new business related to future IBC Guest/Keynote presentation topics and speakers, new IBC White Papers, new research projects and meeting ideas, etc.

No new business was brought forward.

9. Announcements – Greg Walker (ASHB)

Upcoming Events

[DISTRIBUTECH](#) - February 26-29 | Orlando, FL

[IFMA World Workplace](#) - March 6-7 | Netherlands

[Controls-Con](#) - May 16-17 | Dallas, TX

[Realcomm IBcon](#) - June 20-21 | Tampa, FL – ASHB is holding its second triannual Board of Directors meeting for the year at Realcomm. ASHB is a vendor and is also moderating a panel on AI and Smart Buildings.

10. Adjournment (1:30 PM ET) – Marta Klopotoska (ASHB)

The next IBC Meeting will be held August 2024.

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ASHB IBC meetings are open to ASHB Members and invited guests, and everyone is encouraged to participate. [CLICK HERE](#) for more info on the IBC, past minutes, participants, and terms of reference. Any ASHB Member that attended as a guest will be added to the IBC unless they notify the ASHB office by May 17, 2024, that their name should not be added. Non-ASHB members that attended this meeting as a guest, should contact ASHB at admin@ashb.com, to indicate if they wish to join the IBC or ASHB. [CLICK HERE](#) for more information on the ASHB Benefits and please circulate them to others in your organization.

Regards,

Greg Walker, CAE
CEO
Association for Smarter Homes & Buildings (ASHB)
Email: walker@ashb.com
Phone: 613.518.6742
Web site: www.ashb.com

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