



CABA Intelligent Buildings Council (IBC)
Draft Meeting Minutes
Tuesday, May 30, 2023
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:

AI Shading, Jeff Kwok
Aircuity, Duane Keenan Jr.
Aircuity, Inc., Dan Diehl
AprilAire, Mathias Takahashi Albert
AprilAire, Satish Dinakaran
AprilAire, Andrew Litch
Azbil Corporation, Yoshiaki Noguchi
Baker Group Automation, Daryld Karloff
Baker Group Automation, Russell Zimmerman
Belden, Matt Odell
BGE Indoor Air Quality Solutions, Kevin Delahunt
City of Toronto, Daniel Pelletier
CR Creative, LLC, Christianne Radziewicz
Distech Controls Inc., An Acuity Brands company, Efreb Marquez
DJ Smith Inc., Doug Smith
DLR Group, Ruairi Barnwell
EBTRON, Inc., Darryl DeAngelis
ERG Energy Efficiency, M. Dabbene
GLG, John Diamant
Homestead Land Holdings Limited, Steve Vidal
Honeywell International, Inc., Brad Hill
Honeywell International, Inc., Sathish Nanjappa
HTA Consulting Group, Ray Malki
IBO - Austrian Institute of Building and Ecology GmbH, Bernhard Lipp
ICONICS, Inc., Gary Kohrt
Johnson Controls Inc., Bernard Clement
Johnson Controls Inc., Charles Gans
Johnson Controls Inc., Chris Lane

Johnson Controls Inc., Ghulam Khan
Johnson Controls Inc., Jonathan Da Silva
Johnson Controls Inc., Tyler Smith
Johnson Controls Inc., Colm Healy
Johnson Controls Inc., Shawn Schubert
Kaiterra, Joe Di Noto
Kaiterra, Liam Bates
Ken Wacks Associates, Kenneth Wacks
KMC Controls, Inc., Mitch Kehler
Legrand North America, Charlie Derk
Legrand North America, Changhui LU
Medallion Corporation, Alexandre Do Amaral
MHT Technologies, Kim Johnson
Mitsubishi Electric Corporation, Sanal Sreedharan
Multi-Tech Systems, Inc., Dan Quant
Natural Resources Canada (NRCan), CanmetENERGY, Bo Jiang
Natural Resources Canada (NRCan), CanmetENERGY, Marius Farcasiu
NEMA, Brian Marchionini
Network Thermostat, Jerry Drew
North American Global Tech Services, LLC, Ranjit Gunewardane
NYSERDA (New York State Energy Research and Development Authority), Joseph Borowiec
Oxygen8 Solutions, Inc., Eric Hebbard
Parity, Alex Siminoff
Picacity AI, Inc., Sumeet Johar
PSPC, Chris Micallef
Public Services and Procurement Canada/ Government of Canada, Mahjoub Fadel
Quebec BVI, Marc Lapointe
RePure, Michael D. Ham
Rheem Manufacturing Company, Raheel Chaudhry
Rheem Manufacturing Company, Daniel Trevino
SaskTel, Dave Kindred
Siemens Industry, Inc., Wayne Aho
Siemens Industry, Inc., Bonnie Brook
Siemens Industry, Inc., Richard Rivera
Siemens Industry, Inc., Solayappan Alagappan
Siemens Industry, Inc., William Vargo
Siemens Industry, Inc., Kara Stefanski
Siemens Industry, Inc., Gloria Lloret
Sustainable Resources Management Inc., David Katz
tekmar Control Systems Ltd., Eric Balt
TELUS, Jason Antinori
Tridium, Inc., Stephen Holicky
Veni AS, Olav Loining
Yorkland Controls Ltd, Andre Boire

1. **Agenda** - Greg Walker (CABA)

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

2. **Call to Order, Welcome and Introduction** – Bob Allan (NAVCO, Inc.)

CABA member and IBC Chair Bob Allan (NAVCO, Inc.) welcomed everyone and introduced: IBC Vice-Chairs, Harsha Chandrashekar (Honeywell International, Inc.), Robert Lane (Robert H. Lane and Associates, Inc.) and Christopher Larry (Exp US Services Inc.), CABA Whitepaper Chair, Ken Wacks (Ken Wacks and Associates) and keynote speaker Liam Bates (Kaiterra)

3. **Administrative** - Bob Allan (NAVCO, Inc.)

Motion to Approve Past IBC Minutes

Bob informed everyone that the meeting minutes from the February 28, 2023, IBC meeting were circulated and posted on the CABA Web site in the IBC section: www.caba.org/ibc.

A motion to approve the February 28, 2023, IBC minutes was moved by Ken Wacks (Ken Wacks and Associates), and the motion was seconded by Charlie Derk (Legrand North America). Unopposed motion passed.

CABA is currently seeking Board Members and invites individuals who are interested in joining the board to reach out to Greg Walker directly at walker@caba.org.

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



4.1 **2022 IBC Landmark Research “[Healthy Buildings and Indoor Environmental Quality](#)”**

Greg Walker thanked the 16 funders on this recently completed Landmark Research Project, “Healthy Buildings and Indoor Environmental Quality”. Only the funders received the full \$130,000 of research but the Executive Summary of the research is available for download to CABA Members.

4.2 **2023 IBC Landmark Research**

Greg Walker gave a brief overview of this Landmark Research Project. The project has garnered significant interest, with the top two research firms chosen to present their proposals during a webinar scheduled for May 31. So far, a total of eleven (11) CABA

members have committed to funding and actively participating in this research initiative.



4.3 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 is continuing in 2023 and may be expanded to additional field devices and geographical areas.

Eight (8) CABA members have agreed to fund and participate in this research project:



5. **CABA Podcast** – Marta Klopotoska (CABA)

Marta Klopotoska outlined CABA’s recent Podcast series on [Spotify](#) and [Apple Podcasts](#). CABA’s most recent recording released in May focused on PoE Lighting and IoT for Buildings and Facility Management and a second recording on Intelligent Buildings Cybersecurity Issues. If you or someone that you know is interested in participating as a guest or host on a future episode, please contact Marta Klopotoska (CABA) at klopotoska@caba.org.

6. **Keynote: “Interpreting and Leveraging IAQ Data in the Connected Building”** – Bob Allan (NAVCO, Inc.), Liam Bates (Kaiterra)



Liam Bates
CEO



Bob Allan (NAVCO, Inc.) introduced Liam Bates (Kaiterra) who presented the keynote and participated in the Q&A.

Description: Indoor air quality (IAQ) is crucial when it comes to healthy, energy-saving buildings and when interpreted correctly, IAQ data can be a powerful tool to reduce energy consumption, lower maintenance costs, and extend the lifecycle of utilities in buildings, while ensuring the safety and comfort of its occupants. Fortunately, when it comes to IAQ, "monitor and

improve" technology has joined the smart revolution. This means that keeping the quality of the indoor environment optimal can become an automated process, freeing up resources, and leaving nothing to chance.

Liam Bates presented on:

- Key IAQ parameters to measure and track
- Why you should take an automated, data-driven approach to your smart building strategy
- How to harness the power of IAQ data to turn insights into action
- Examples of companies transforming IAQ data into actionable insights

Liam Bates: info@kaiterra.com

7. **White Paper Sub-Committee Update** - Ken Wacks (Ken Wacks Associates)

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 CABA member can and is encouraged complete the new one (1) page white paper proposal template and submit it to klopotoska@caba.org.

All completed and approved CABA White Papers are placed in the CABA Public Library, Members Library, CABA NewsBrief, CABA Twitter Feed, and CABA 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.caba.org/ibc. All completed CABA White Papers can be found at: www.caba.org/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

If you or someone that you know would like to join one (1) or more of the following White Paper working groups, please contact Marta Klopotoska (CABA) at klopotoska@caba.org.

Ken Wacks introduced a recently proposed whitepaper titled "ADA Compliance in a Smart Technology Environment". The purpose of this white paper is to provide a comprehensive analysis of how smart technologies can enhance the reasonable accommodation requirement in the next generation of smart buildings. By examining various applications, AI advancements, and interactive smart devices, the aim is to identify solutions that improve the overall experience for individuals with impairments. Anyone interested in joining the working group for this paper should contact Marta Klopotoska at klopotoska@caba.org.

8. Other Business – Bob Allan (NAVCO, Inc.)

Other new IBC business

Bob Allan 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 IBC business was brought forward.

9. Announcements – Bob Allan (NAVCO, Inc.)

9.1 Past Events Overview

[ISH](#) – March 13-17 | Germany

[IFMA World Workplace](#) – March 22-23 | Netherlands

[IFMA Facility Fusion](#) – April 11-13 | San Francisco, CA

[Lightfair](#) – May 21-25 | New York, NY

9.2 Upcoming Events

[Realcomm IBcon](#) – June 14-15 | Las Vegas, NV

[Shanghai Intelligent Building Technology](#) – August 29-31 | Shanghai, China

[BICSI](#) – September 10-14 | Las Vegas, NV

[Greenbuild](#) – September 26-29 | Washington DC

10. Adjournment (1:30 PM ET) – Bob Allan (NAVCO, Inc.)

[Next IBC Meeting, Monday, August 21, 2023](#)

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CABA IBC meetings are open to CABA 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 CABA Member that attended as a guest will be added to the IBC unless they notify the CABA office by June 8, 2023, that their name should not be added. Non-CABA members that attended this meeting as a guest, should contact Marta Klopotoska at klopotoska@caba.org, to indicate if they wish to join the IBC or CABA. [CLICK HERE](#) for more information on the CABA Benefits and please circulate them to others in your organization.

Regards,

Greg Walker, CAE
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Web site: <http://www.caba.org>