ASHB Intelligent Buildings Council (IBC)
Draft Meeting Minutes
Thursday, February 22, 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:
Ai-tronics Systems, Sheldon Gabriel
Arbogast Energy Auditing, Elmer Arbogast
Armstrong Monitoring, Stephanie Pichette
Baker Group Automation, Russell Zimmerman
Belimo Americas, Scott Reed
BGI Tech (Bright Green Ideas), John Smith
BIG - Building Intelligence Group, Ben Disney
BrainBox AI Inc., Bryce Jeude
BTG Americas, Rene Rendon
Canadian Cyber Threat Exchange (CCTX), Bob Gordon
Carleton University, Andrei Farcasiu
Colliers International, Tony Kern
Cummins Facility Services, Savannah Frey
Davmark Limited, David Slade
Delta Controls, A Delta Group Company, Gay harvev
Delta Controls, A Delta Group Company, Kurt Graves
Distech Controls Inc., An Acuity Brands company, Efren Marquez
EBTRON, Inc., Darryl DeAngelis
EBTRON, Inc., Lisa Hickey
Electro-Federation Canada (EFC), Tom Mason
ERG Energy Efficiency, Michael Dabbene
Figaro USA, Inc., Shono Fujitani
FM Approvals, Jason Stiteler
Honeywell International, Inc., Brad Hill
ICONICS, Inc., Gary Kohrt
I'm in Control, Kirk Oatman
Intellimo, Marc Girard
Johnson Controls Inc., Bernard Clement
Johnson Controls Inc., Chad Pakett
Johnson Controls Inc., Ghulam Khan
Ken Wacks Associates, Kenneth Wacks
Legrand North America, Changhui Lu
Legrand North America, Shana Longo
Mechdyne Corporation, Jeff Brum
Metrikus Ltd., Michael Grant
Mircom Group of Companies (MGC), Mark Falbo
National Research Council Canada (NRC), Anca Galasiu
National Research Council Canada (NRC), George Xiao
National Research Council Canada (NRC), Natalia Cooper
NIST (National Institute of Standards & Technology), Amanda Pertzborn
Nucor Corporation, Pavan Gadicherla
Picacity AI, Inc., Sumeet Johar
Picacity AI, Inc., Alec Lai
Picacity AI, Inc., Iskandar Kfoury
Picacity AI, Inc., Sumeet Johar
Renewed Robotics, Daizhan Ennals
Rheem Manufacturing Company, Danieal Trevino
Robert H. Lane & Associates, John Bell
Siemens Industry, Inc., Bonnie Brook
Siemens Industry, Inc., Gloria Lloret
Siemens Industry, Inc., Hans Langels
Siemens Industry, Inc., Katie Weiler
Siemens Industry, Inc., Michael White
Siemens Industry, Inc., Richard Rivera
Streamside Solutions, Dwight Stewart
Superior Essex Communications, Amir Sekhavat
Sustainable Resources Management Inc., David Katz
Telnet Management Consulting, Inc., Fawzi Behmann
The Armstrong Monitoring Corporation, Mathew Finlay
The Chicago Faucet Company/Geberit Group, Greg Hunt
TSC - Development, James Smith
Watts Water Technologies Inc., Jay Vath
1. **Agenda** – Bob Allan (NAVCO, Inc.)

Bob Allan 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** – Bob Allan (NAVCO, Inc.)

Bob Allan 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.), ASHB Whitepaper Chair, Ken Wacks (Ken Wacks and Associates)

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

**Motion to Approve Past IBC Minutes**

Bob Allan informed everyone that the meeting minutes from the November 21, 2023, IBC meeting were circulated and posted on the ASHB website in the IBC section: [www.ashb.com/ibc](http://www.ashb.com/ibc).

A motion to approve the November 21, 2023, IBC minutes was moved by Harsha Chandrashekar (Honeywell International Inc.), and the motion was seconded by David Katz (Sustainable Resources Management Inc.). Unopposed motion passed.

4. **Research Update** – Marta Klopotowska (ASHB)

4.1 **2023 IBC Landmark Research – Intelligent Building Technology & Market Trends**

Marta Klopotowska gave a brief overview of this Landmark Research Project. The ASHB 2023 Landmark research project titled Intelligent Buildings Technology and Market Trends has been successfully completed and is scheduled for release to the funding organizations on February 27. Robert thanked the funders for their support and explained that the Executive Summary is available on the ASHB website and the report findings will be available for purchase end of June in the ASHB store on the ASHB website. To learn more contact admin@ashb.com.
4.2 2024 IBC Landmark Research – Smart Building Trends & Technology Adoption

Marta Klopotowska gave a brief overview of Landmark Research Project titled Smart Building Trends & Technology Adoption. This project has garnered support from 15 funders thus far, and ASHB expresses sincere gratitude for their invaluable support and guidance. An RFP went out to ASHB member research firms last 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.

5. **Keynote: Smart Building Solutions Integration in the "Built Spaces"** – Harsha Chandrashekar (Honeywell International, Inc.) & Gary Harvey (Delta Electronics America’s), (30 min)

Harsha Chandrashekar introduced Gary Harvey who presented on the topic.

**Description:** Gary Harvey, a prominent voice at Delta Electronics (America’s), unveils the current market dynamics and regulations propelling the need for smarter and more efficient buildings. Discover the transformative potential of integrating diverse systems and products to fuel initiatives aimed at building intelligence. Gary will illuminate the path forward by sharing compelling case studies that showcase the successful application of technology in achieving these ambitious goals.

**Contact keynote:**
Gary Harvey gary.harvey@deltaww.com

6. **ASHB Podcast** – Chris Larry (Exp US Services Inc.)

Chris Larry outlined ASHB’s recent Podcast series on Spotify and Apple Podcasts. ASHB’s most recent recordings released focused on Smart Building Business Drivers,
Environment Optimization and Solid Footing for New Builds. Contact ASHB to learn how to participate as a guest or host on a future episode admin@ashb.com. Chris also mentioned about a recently recorded episode he hosted on Fire and Life Safety which is scheduled to be released in mid-March.

7. **ASHB Journal** - Ken Wacks (Ken Wacks Associates)

Ken Wacks presented the ASHB Journal and urged all attendees to contribute their articles for consideration. If you're interested in submitting a proposal or an article, you can reach out to admin@ashb.com or kenn@alum.mit.edu.

8. **ASHB Whitepapers** - 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 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](http://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

9. **Other Business** – Bob Allan (NAVCO, Inc.)

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.

David Katz (Sustainable Resources Management Inc.) mentioned his collaboration with a US company focused on installing new glass on existing buildings to aid in decarbonization efforts. He highlighted the potential to upgrade older building windows to
triple-pane or equivalent, emphasizing the importance of considering the building envelope in decarbonization strategies. David suggested having someone present on this topic.

Ken Wacks (Ken Wacks and Associates) added to David’s point by mentioning a new crystalline technology for window panes that can generate power from transmitted light. He indicated his upcoming participation in a panel discussion at the Smart Energy Summit in Orlando, where he will speak on this technology.

David Katz (Sustainable Resources Management Inc.) mentioned his speaking engagement at NFMT in Baltimore, where he will showcase progress on utilizing building data for Environmental, Social, and Governance (ESG) purposes.

Michael Grant (Metrikus Ltd.) highlighted the increasing demand from customers for understanding and utilizing data effectively, particularly for purposes beyond technology. He suggested the potential for a presentation on data usage, including its applications for ESG, space optimization, ROI calculations, energy efficiency, and indoor air quality improvement, emphasizing the broader benefits beyond just energy savings.

10. **Announcements** – Bob Allan (NAVCO, Inc.)

**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.

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

Next IBC Meeting, May 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 March 1, 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