



# Intelligent Buildings Council (IBC) Webinar Webinar/Meeting will commence 12:05pm ET

Monday, August 21, 2023 | 12 NOON – 1:30 PM (ET)

IBC Chair: Bob Allan (NAVCO Inc.)

Vice-Chair: Harsha Chandrashekar (Honeywell International Inc.)

Vice-Chair: Robert Lane (Robert H. Lane and Associates Inc.)

Vice-Chair: Chris Larry (exp US Services Inc.)

Connect to what's next™

[www.ashb.com](http://www.ashb.com)



# 1. Agenda

Marta Klopotoska(ASHB)

1. Agenda
2. Call to Order, Welcome, Introductions, About IBC
3. Administrative
4. Research Update
5. Panel Discussion: “Your Path to Net Zero: Technology-led roadmap to decarbonization in building operations” (30 min)
  - Moderator: James Dice (Nexus Labs),
  - Panel Members: Linden Stephens (British Land), Raj Subramanian (Facilio), and Brian Vaughn (Cushman & Wakefield)
6. ASHB Podcast
7. ASHB Journal
8. White Paper Sub-Committee Update
9. New Business
10. Announcements
11. Adjournment



## 2. Call to Order, Welcome, Introductions, About the IBC

Bob Allan (NAVCO, Inc.)



**IBC Chair**  
**Bob Allan**  
Bob Allan  
Vice President of Sales  
East Region  
NAVCO, Inc.



**IBC Vice-Chair**  
**Harsha Chandrashekar**  
Product Approvals &  
Regulatory Leader  
Honeywell International  
Inc



**IBC Vice-Chair**  
**Robert Lane**  
President & Managing  
Partner  
Robert H. Lane and  
Associates Inc.



**IBC Vice-Chair**  
**Chris Larry**  
Director of Energy  
Engineering  
Exp US Services Inc.



The ASHB Intelligent Buildings Council works to strengthen the large building automation industry through innovative technology-driven research projects. The Council was established in 2001 by ASHB to specifically review opportunities, take strategic action and monitor initiatives that relate to integrated systems and automation in the large building sector. The Council's projects promote the next generation of intelligent building technologies and incorporate a holistic approach that optimizes building performance and savings. [www.ashb.com/ibc](http://www.ashb.com/ibc)



### 3. Administrative

Bob Allan (NAVCO, Inc.)



Motion to approve past IBC  
Minutes May 30, 2023

[www.ashb.com/ibc](http://www.ashb.com/ibc)



# 4. Research Update

Marta Klopotoska(ASHB)

## 2023 IBC Landmark Research Intelligent Building Technology & Market Trends



**BELIMO**

**CyberPower**

**DISTECH**  
CONTROLS™

**EBTRON**  
a measurable difference!

**Dwyer**

**Functional**  
Devices, Inc.

**Honeywell**

**Johnson**  
Controls

**Schneider**  
Electric

**SIEMENS**  
Ingenuity for life

**Southwire**

**SUPERIOR**  
**ESSEX**

**resideo**



**snap**  
one™

**TELUS**





# Panel Discussion

## Your Path to Net Zero: Technology-led roadmap to decarbonization in building operations



Panel Moderator  
James Dice, Founder & CEO



Linden Stephens  
Lead Solutions Architect -  
Smart Buildings

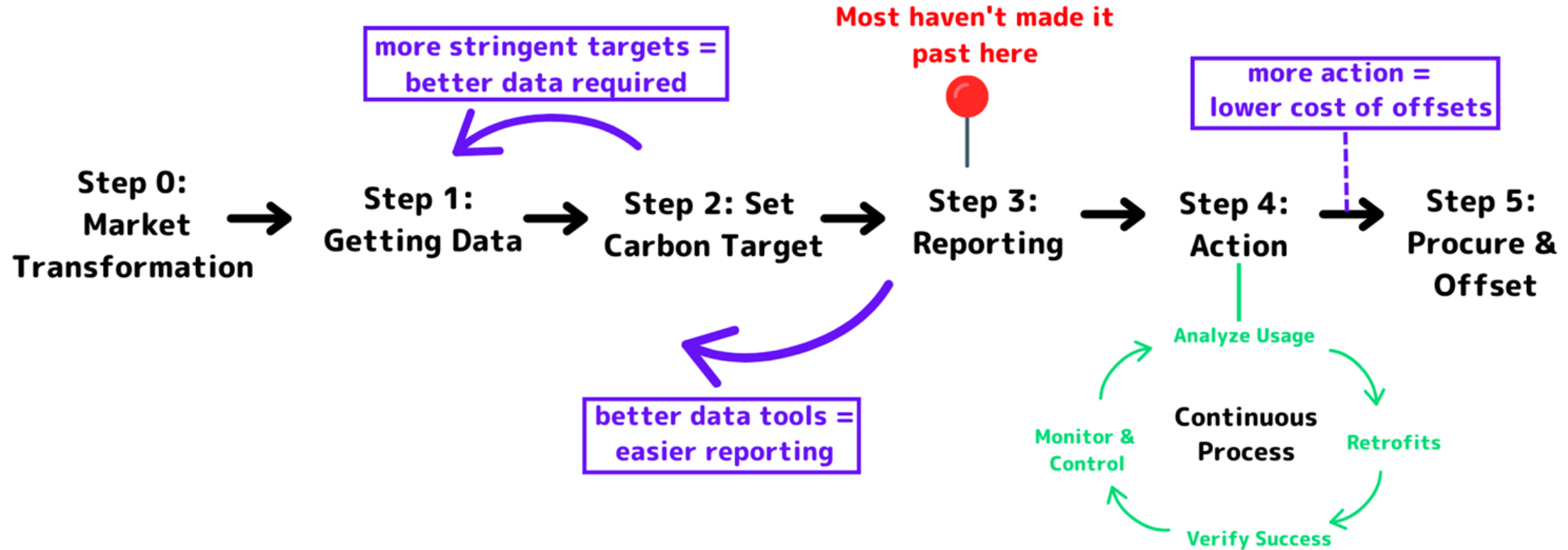


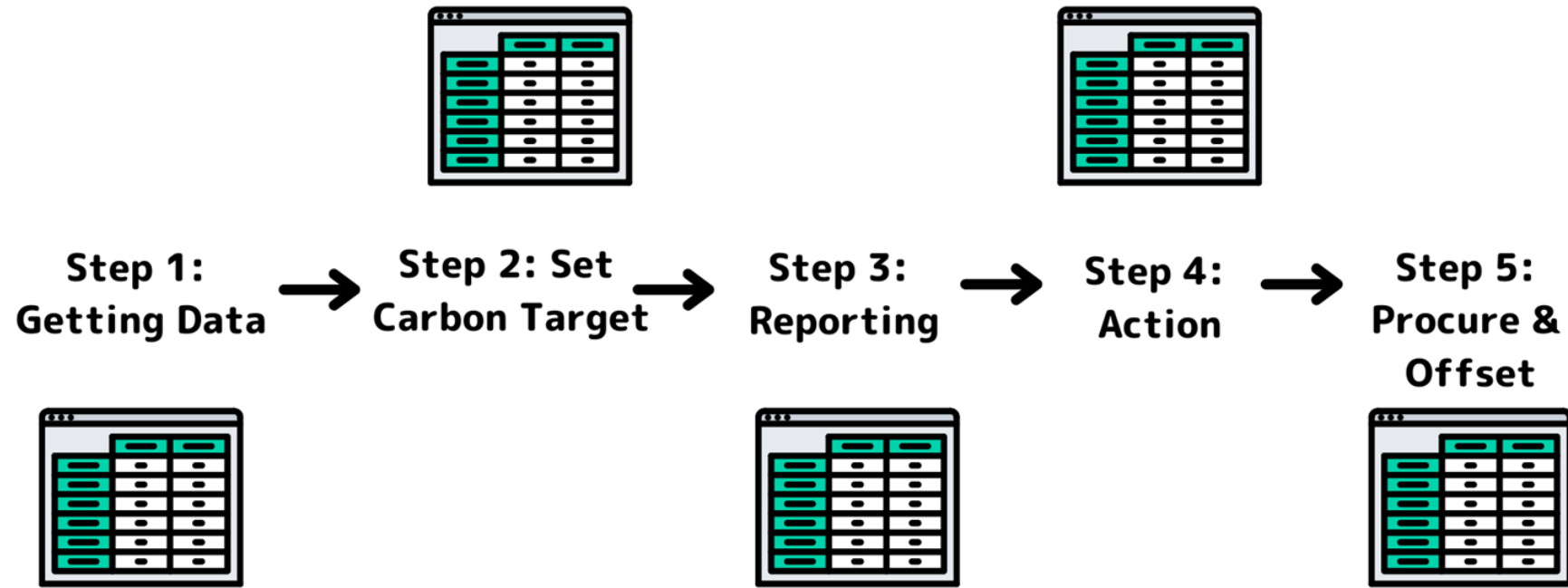
Raj Subramanian  
Co-founder & CPO



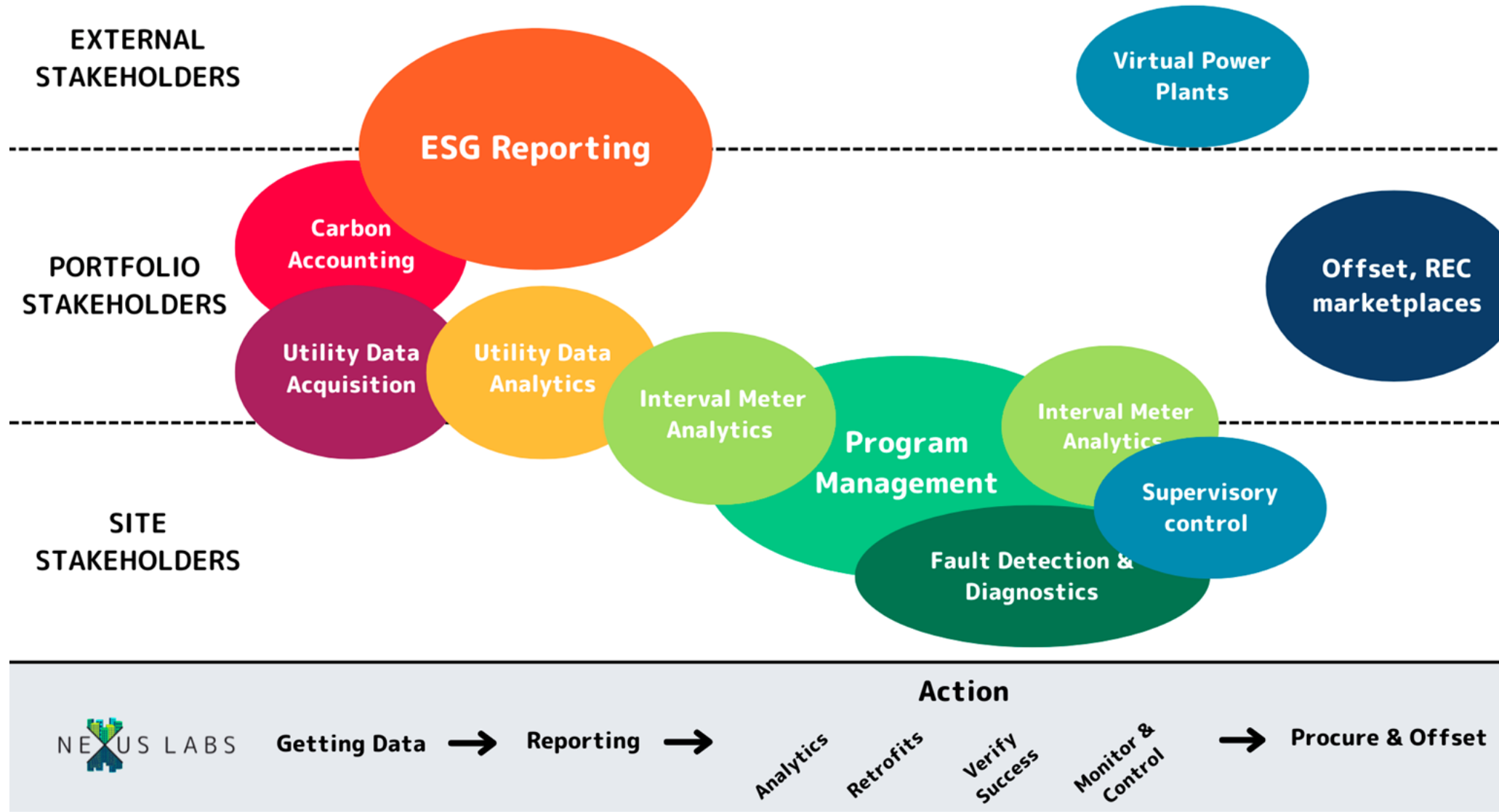
Brian Vaughn  
Senior Director, Global  
Innovation













## Case Study



### Project Summary

- SPOG across **700,000 sq.ft** (office portfolio)
- Connects automation controls (hvac, lighting, lifts, occupancy sensors, etc) application software (visitor, room booking, helpdesk, CaFM)
- **350+** FDD rules for asset lifecycle management
- Optimization strategy based on different spaces like meeting rooms, office lobby, lift spaces, lighting sensors and occupancy status

### Use Cases

- Occupancy based dynamic HVAC & lighting scheduling
- Automated daylight savings aligning indoor conditions, daylight, comfort
- FDD to isolate issues and improve MTTR
- Space insights for better planning (visitor data, behavior, conference room usage, help desk)

### Impact

**50 % reduction** in Heating/Cooling energy consumption

**Optimized over 300,000 minutes** of the air conditioning unit operations in a month (July)

**Energy/cost savings** via optimizations (occupancy based, not in use etc)

# 6. Smarter Homes & Buildings Podcast

## Chris Larry (Exp US Services Inc.)



Join industry experts and leaders from around the globe as they discuss everything smart home and intelligent buildings.



Apple  
Podcasts



ASHB is looking for guests and hosts for future pre-recorded episodes. Contact [admin@ashb.com](mailto:admin@ashb.com) for more information.

### Recent Recordings:

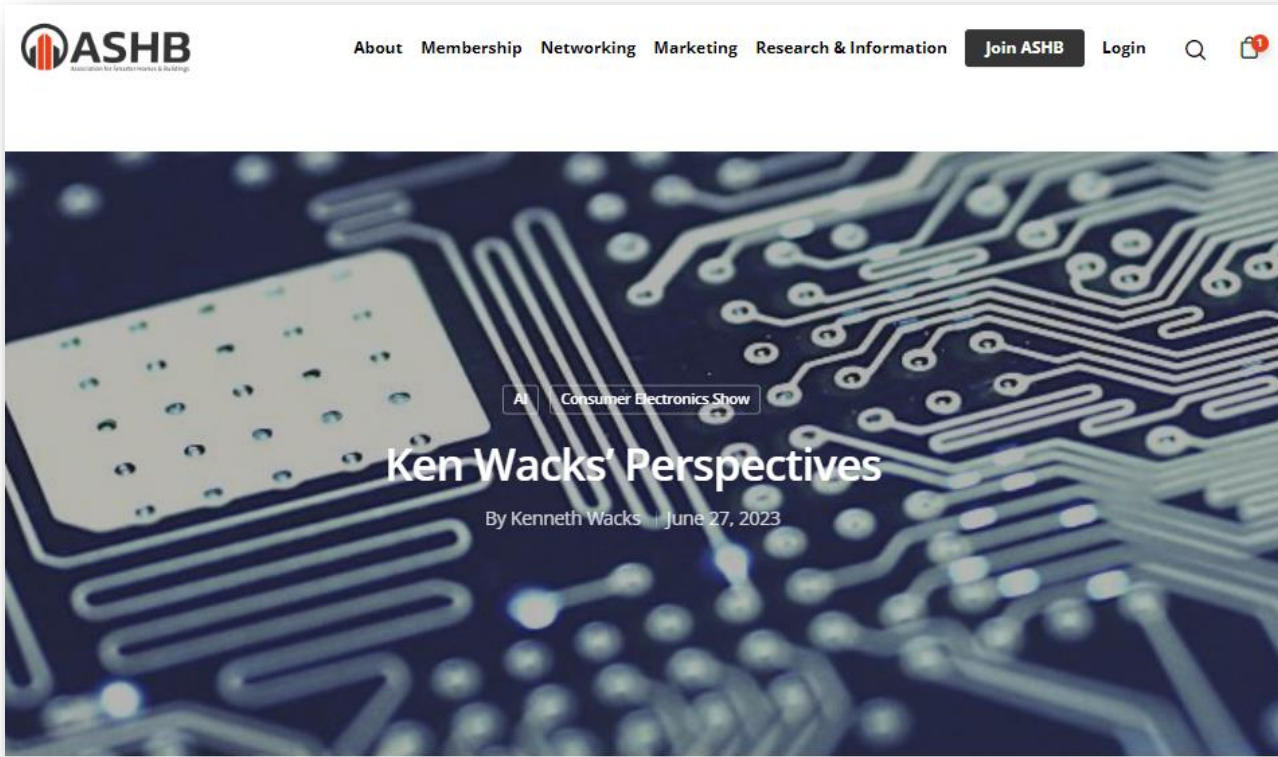
- Building Decarbonization and Critical Environments: Exploring Challenges and Opportunities
  - Smart Cities, Smart Buildings and their Investors, Beware of the Digital Hucksters





# 7. ASHB Journal

## Ken Wacks (Ken Wacks and Associated)



The ASHB Journal aims to educate and inform the ASHB membership and industry at large on emerging research, issues, challenges, and opportunities in the intelligent buildings and/or connected home sectors.

New articles are posted to the ASHB website, included in the weekly NewsBrief, and circulated on Twitter and LinkedIn.

Send proposals to [admin@ashb.com](mailto:admin@ashb.com)

### Recent posts:

- **Ken Wacks Perspectives: CES 2023: The Expansion of Consumer Electronics**
- **Ken Wacks Perspectives: Cybersecurity Provided by the HES Gateway**
- **Facilio: The Relevance of Decarbonizing Goals During the Downturn**

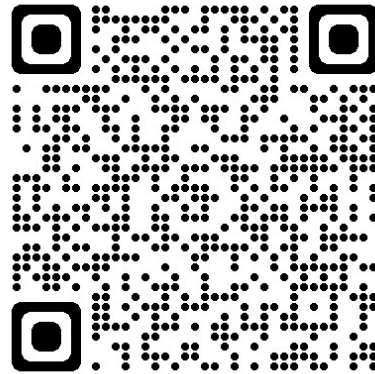


## 8. White Paper Sub-Committee Update

### Ken Wacks (Ken Wacks Associates)

Published IBC White Papers can be downloaded at:  
[www.ashb.com/whitepapers](http://www.ashb.com/whitepapers)

Send proposals to [admin@ashb.com](mailto:admin@ashb.com)



**ASHB**  
Research Program





# 8. White Paper Sub-Committee Update

## Ken Wacks (Ken Wacks Associates)

### Recently Published

#### Fire Alarm Systems in Smart Buildings: Primer on Fire and Life Safety Systems

This groundbreaking primer sheds light on the origins, evolution, and potential of fire prevention and life safety systems in modern intelligent structures. The paper emphasizes the importance of integrating improved fire and life safety measures into existing buildings and new construction. Utilizing wired, wireless, cloud-based, and app-based systems, smart buildings leverage initiating devices like heat, smoke, and CO detectors to automatically trigger emergency responses, drastically improving fire and life safety outcomes. The paper offers invaluable insights. From the fascinating evolution of fire prevention and life safety systems to valuable lessons learned, readers gain a comprehensive understanding of cutting-edge technologies aimed to advance life safety outcomes in smart buildings.



# 9. New Business

Bob Allan (NAVCO, Inc.)

## New IBC Business?



# 10. Announcements

Robert Lane (Robert H. Lane & Associates Inc.)

## Upcoming Events

BICSI

September 10-14 | Las Vegas, NV

Greenbuild

September 26-29 | Washington DC

IFMA World Workplace

September 27-29 | Denver, CO

The Buildings Show

November 29-December 1 | Toronto, ON



# 11. Adjournment

Bob Allan (NAVCO, Inc.)

**Next IBC Meeting: November 2023**

**Association for Smarter Homes & Buildings (ASHB)**

**admin@ashb.com | www.ashb.com | www.ashb.com/ibc**

**Connect to what's next™**



**ASHB**

Intelligent Buildings Council

