Welcome!

- Thank you for joining today’s webinar: **OpenADR and Its Impact on Building Control Systems**

- If you have a question please use the question box located on the right side of your screen.

- Questions for our speaker will be addressed at the end of the presentation.

- This webinar will be recorded for future playback.
Today’s Speakers

- **Anno Scholten**, C.E.M, C.D.S.M, is President of Connexx Energy, a leading developer of applications and solutions that connect Smart Building with the Smart Grid. Anno has spent the last 25 years driving innovation in smart building systems and smart grid technologies.

- **Jim Boch**, Principal Electrical Engineer, Jim joined IPKeys with 30 years of industry experience with Fortune 500 companies. Jim has experience in the electrical power distribution, lighting and information technology sectors. He has assumed progressively greater responsibilities from project engineer to national product sector manager.

- **Allen Jones**, is an independent consultant specializing in the interaction between facilities and the Smart Grid. He has almost ten years of experience working on Smart Grid related topics. He serves on several national and international Smart Grid-related committees and also serves as an adviser to the BACnet Smart Grid Working Group.
OpenADR Impact on Building Control Systems
Fully Integrated OpenADR
OpenADR Integrated into Building Control Systems
Impact is driven by ADR user needs

• Demand Response Strategies
  – Flexibility
  – Extensibility
  – User Control
  – Return to Normal

• Security
  – Remote Management
  – Auditing

• Measurement and Verification (M&V)
  – Real-time
  – Playback
  – Settlement
Demand Response Strategies

- Opt in Normal ADR Event
- Opt in Moderate ADR Event
- Opt in High ADR Event
Flexibility
Extensibility
User Control
Return to Normal
Security

[Diagram showing network security components including a firewall, LAN/WAN, Connexxion OpenADR2.0, and various devices like ANSI C12.20, HVAC, Plant Control, Lighting, and Generation.]
Measurement & Verification
OpenADR Impact on Building Control Systems

- Flexibility
- Extensibility
- User control
- Security
- M&V
THANK YOU

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