



## IoT Lighting Control Development, Deployment and Scalability

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IoT offers ample opportunities in lighting control, however, it can be complex and challenging to develop, deploy and manage scalable IoT systems. This session will uncover the processes and challenges encountered during several real, IoT lighting control deployments in commercial settings. Potential solutions will be discussed including how stakeholders, ranging from lighting hardware manufacturers to wireless chip manufacturers, can improve collaboration with software developers. In addition, attendees will be challenged to consider how we define the responsibilities of various stakeholders, such as where the hardware warranty should stop and software support start.

### Learning Points

- Understand the options and parameters of an IoT lighting control project and discover the variations of design and technical specifications that will lead to successful project deployments.
- Assess several wireless network integration case studies and identify how to overcome specific challenges, such as IT checklists, bulb theft, firewalls, finding power sources, and the overall implementation and coordination process.
- Identify what key elements are required when designing user interfaces and content development for smart lighting control software.
- Explore the current software ecosystem and the appeal for open APK architecture so that software solutions targeted for various applications can be developed for full interoperability and scalability.
- Consider how the responsibilities of stakeholders should be defined.