

Using a Smart Building Implementation Model to Transform the Built Environment

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Agenda

- Smart Building Insights
- Smart Building Implementation Model
- Q&A



Learner Outcomes

- Express the steps in the smart building implementation model that will lead to success.
- Explore how changing occupant demands across many industries should be taken into account for developing specific technology requirements.
- Learn how to build a successful interdisciplinary team that will take your strategy from ideas to implementation.
- State what to expect once a smart building is implemented.

SMART BUILDING IMPERATIVE



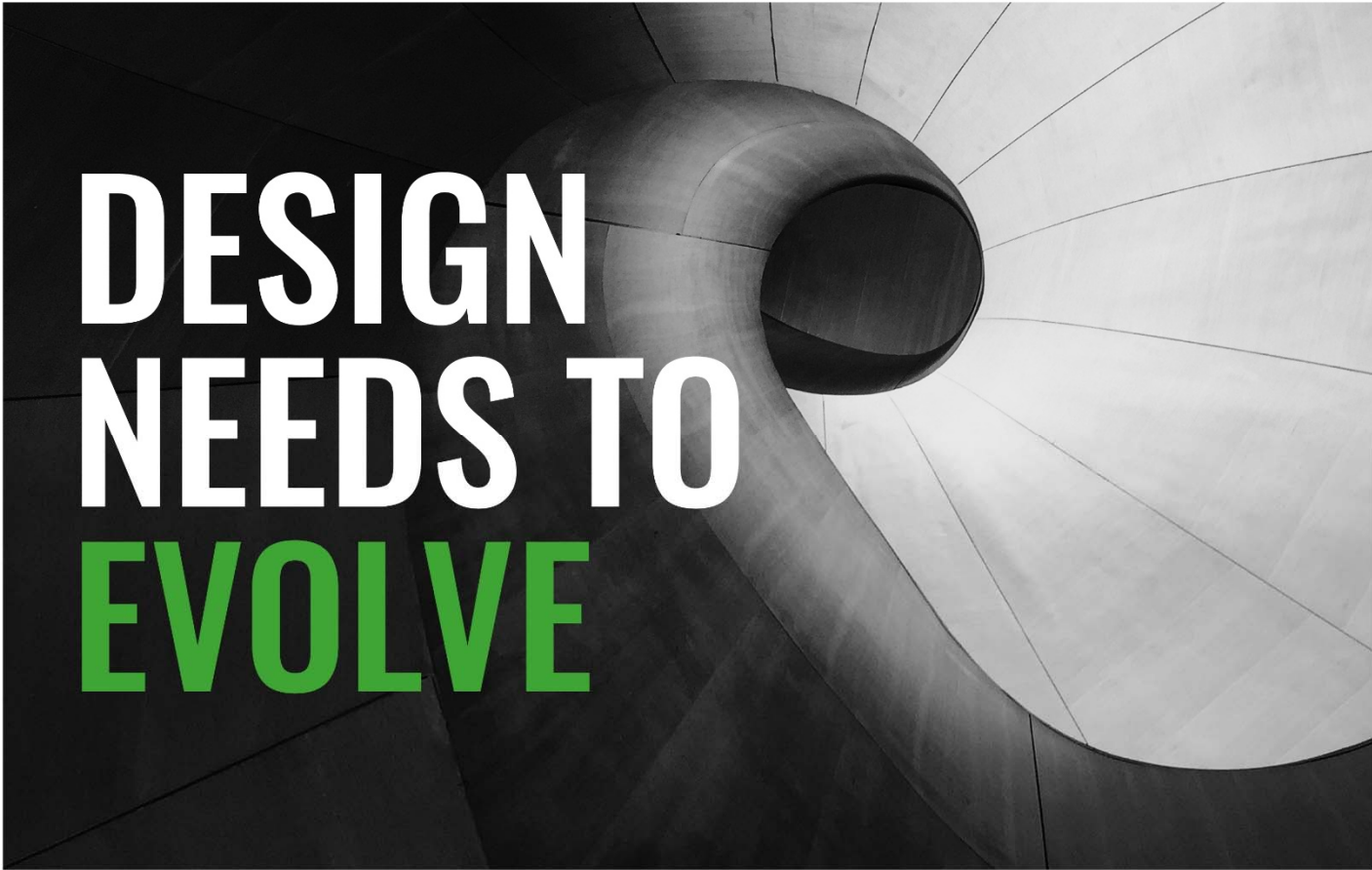
PEOPLE



BUILDINGS



ORGANIZATIO
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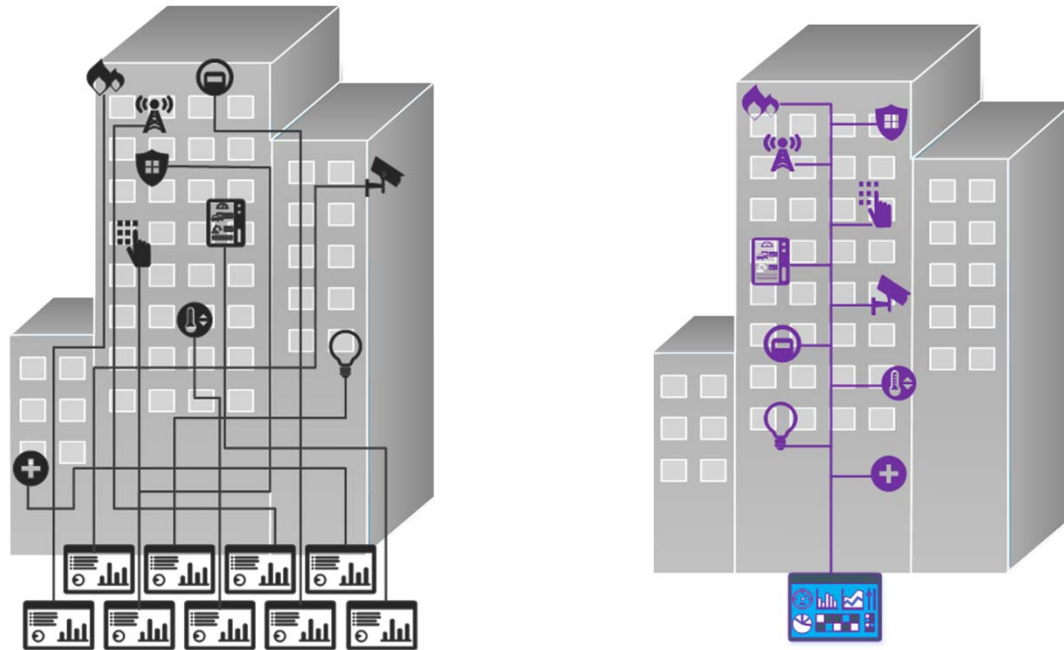




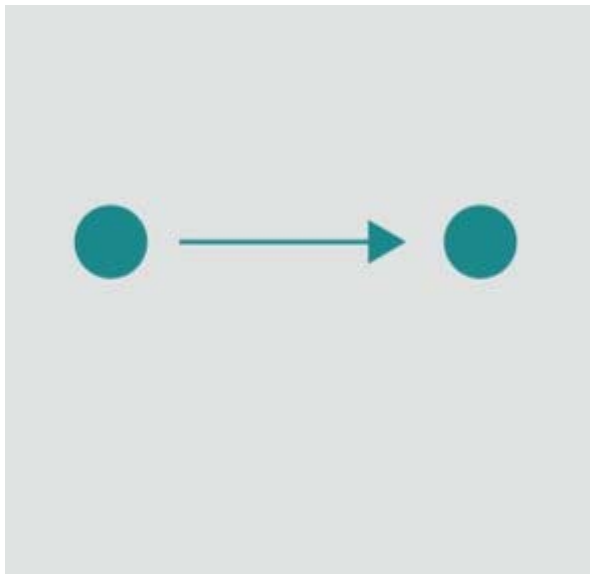
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A smart building uses an integrated set of technology, systems, and infrastructure to optimize building performance and occupant experience.

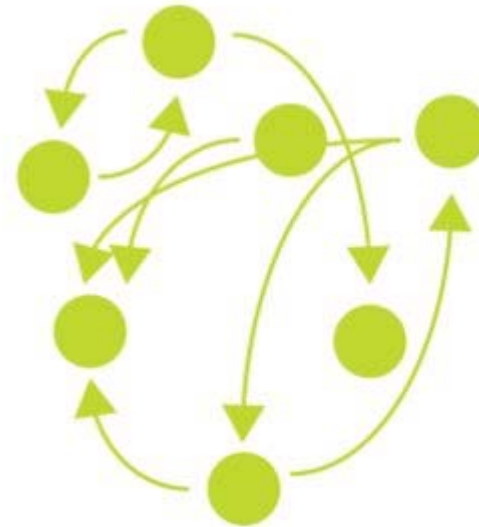
Integrated Technology Infrastructure

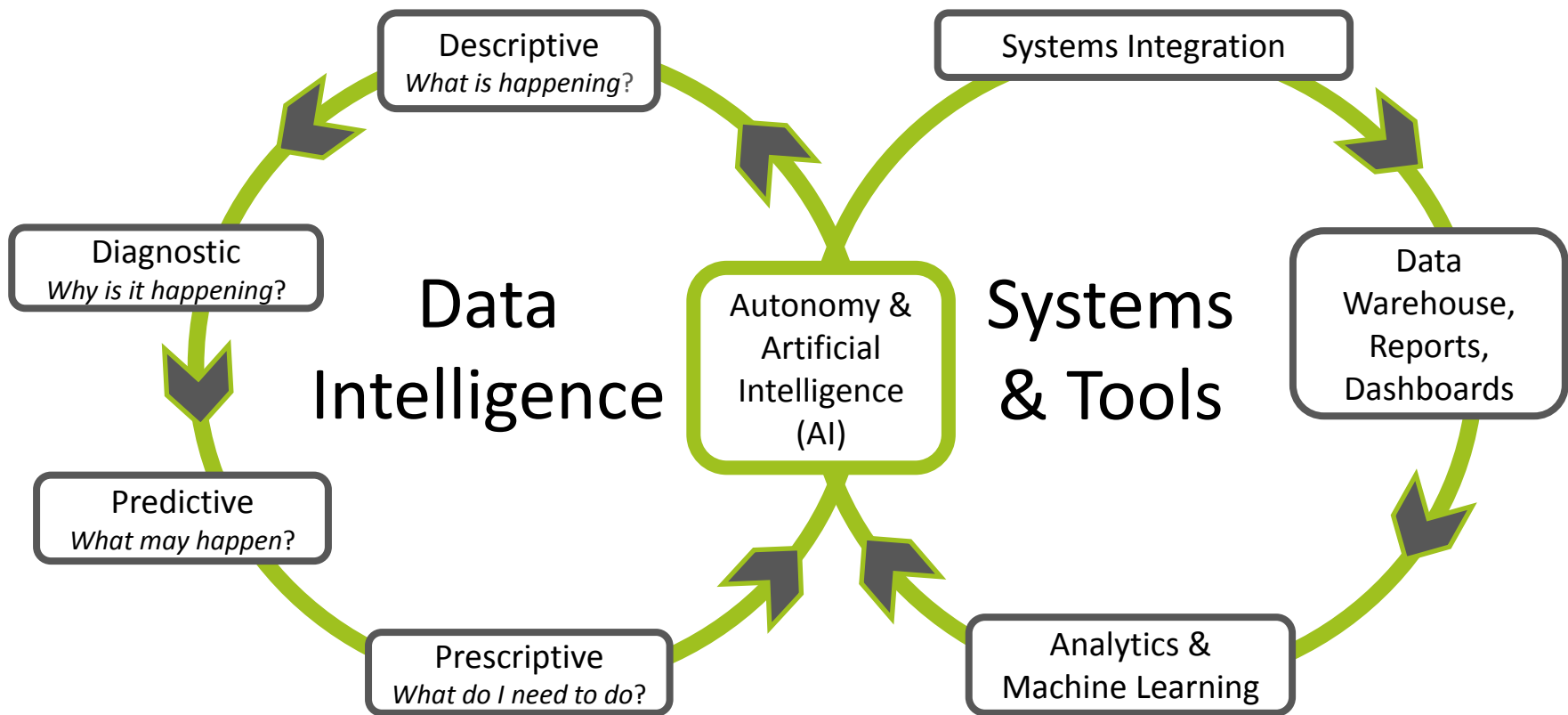


Traditional Thinking



Systems Thinking





What We Are Hearing

Does machine learning really work?

Systems won't 'talk to each other'

Why do I need an analytics platform with a BMS?

Building Management System

BMS is not giving me the savings to achieve goals

Building Technologies not meeting expectations

Don't have time. Dealing with tickets.

SMART BUILDING IMPLEMENTATION MODEL[®]



OPPORTUNITY
AWARENESS



GAP
ANALYSIS



TECHNOLOGY
SELECTION
& SYSTEMS
INTEGRATION
DESIGN



SYSTEMS
DEPLOYMENT



OPTIMIZATION

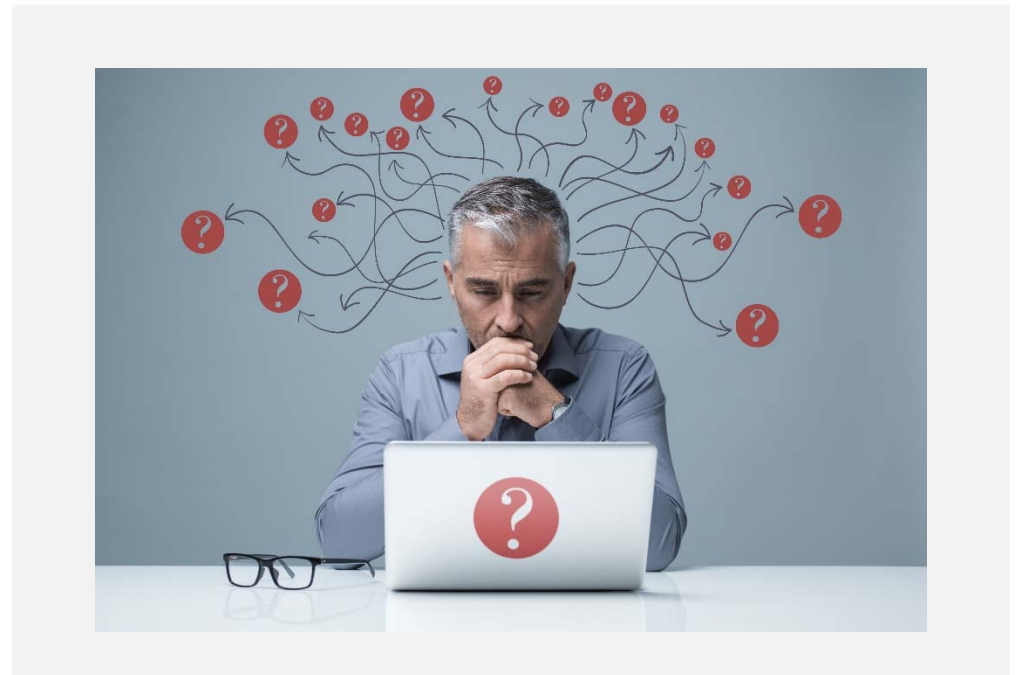
Opportunity Awareness

- The Why
- Main Objectives & Goals
 - Financial
 - Occupant Experience
 - Sustainability
 - Safety



Gap Analysis

- Interoperability
- Talent & Workforce Skills
- Cultural Understanding
- Funding Levels



Technology Selection & Integration

- Function
- Communications Backhaul
- Systems Interoperability & Integration
- Physical
- Cybersecurity



Trending Technology



5G



CBRS

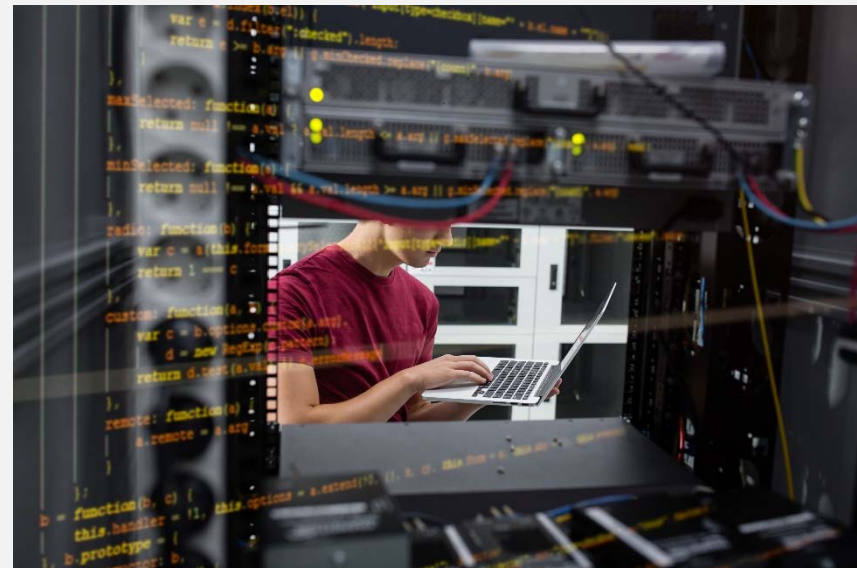


REOPENING SINGLE PAIR



Systems Deployment

- Schedule
- Install
- Integrate
- Test
- Train



Optimization

- Data is the New Gold
- Provides Actionable Data
- Multiple Data Sources
- Improves Operational Efficiency
- Pathway to Autonomous Smart Building



Data is New Gold



Image courtesy of Deloitte

Key Takeaways

- A Smart Building implementation model will lead to success.
- Changing occupant demands across many industries should be taken into account for developing specific technology requirements.
- Build a successful interdisciplinary team that will take your strategy from ideas to implementation.
- Develop outcomes and expectations for smart buildings

Questions?



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