



Smart buildings: Constructing wireless infrastructure for the future

A Webinar by Omdia



#Smartbuildings

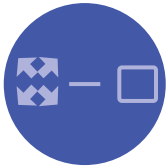
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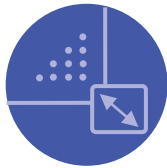


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Today's speakers



David Green

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Ross Sabolcik

Vice President and General Manager
Industrial and Commercial IoT Products
Silicon Labs



Trevor Palmer

Senior Vice President
Digital Lighting Networks
Acuity Brands



01 The big picture

02 The smart building challenge

03 Framework and solutions

04 Conclusions

05 Audience Q&A

A satellite view of Earth at night, showing the curvature of the planet and the glowing lights of cities and continents. The lights are concentrated in the Eastern Hemisphere, particularly in Asia and Australia.

Global energy demand could increase by a third by 2040.

BP's Evolving Transition scenario

Efficiency is a focus for everyone.

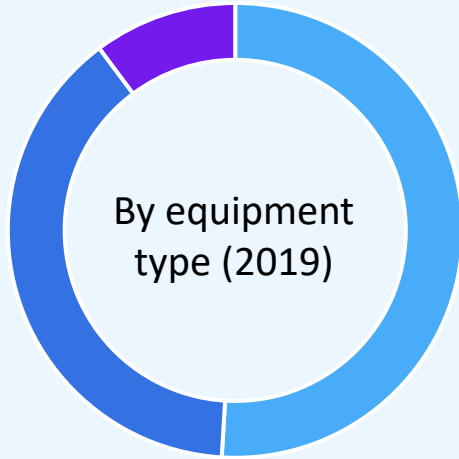
Smart buildings – The big picture



Other

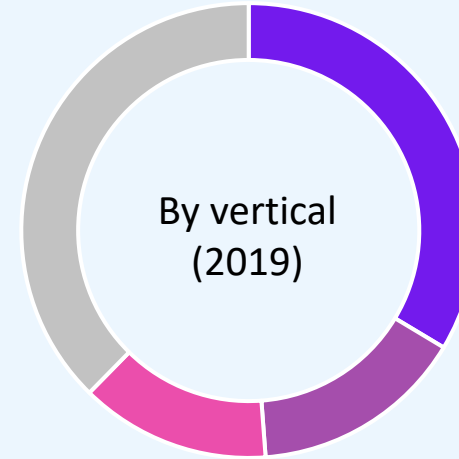


Safety and security



Energy

9.5%
CAGR 2019–2024



34% Commercial



15% Government



14% Healthcare

**Smart buildings:
Connected hardware**



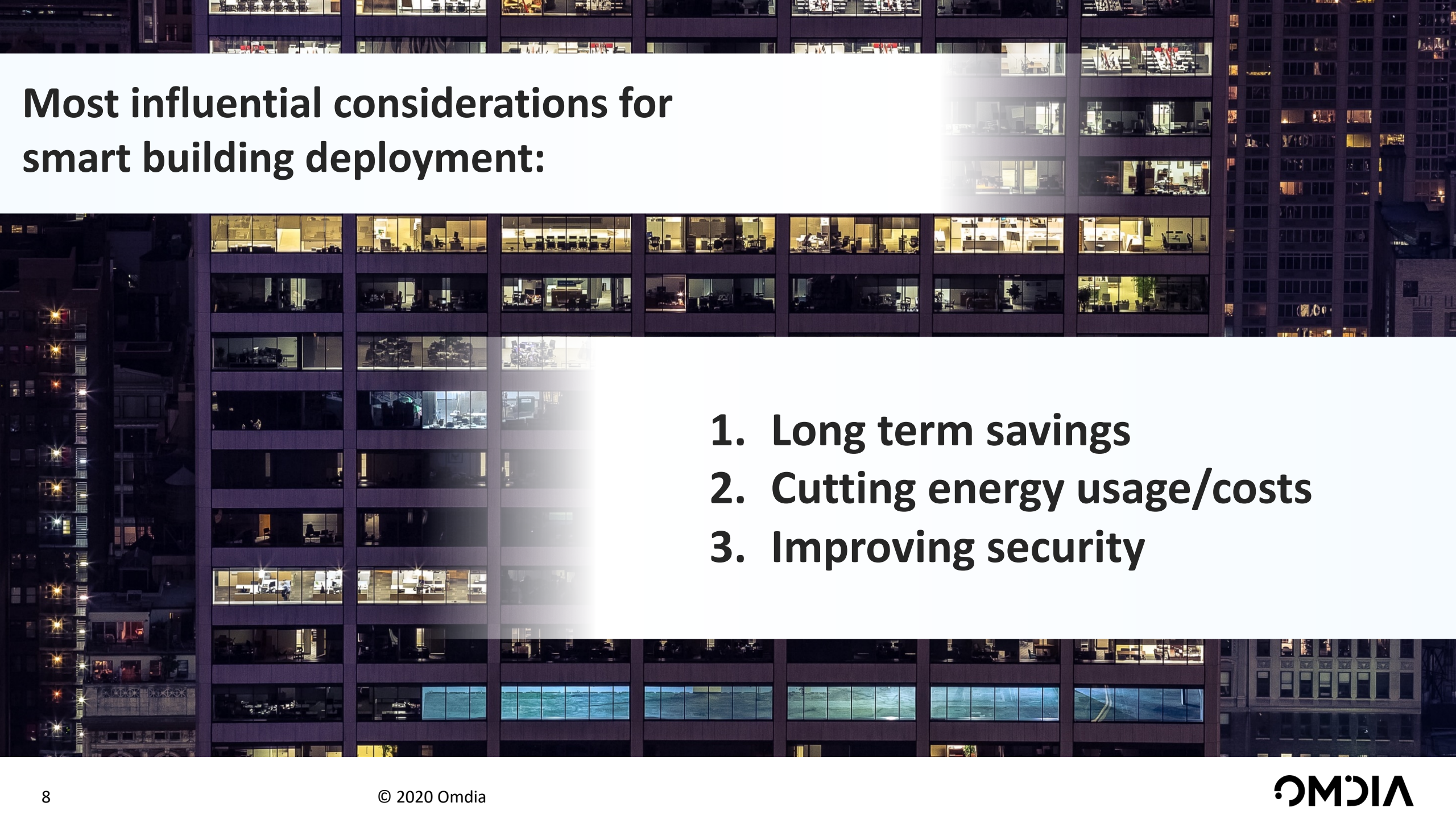
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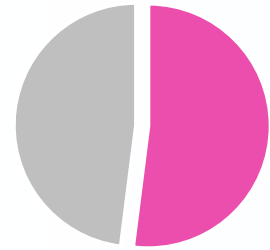
Most influential considerations for smart building deployment:

1. Long term savings
2. Cutting energy usage/costs
3. Improving security



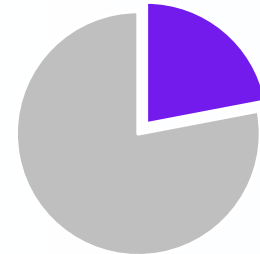
Biggest challenges for smart building deployment:

1. Legacy equipment/infrastructure
2. Employee skills/knowledge
3. Software interoperability



52%

Retrofits v. new buildings (2019–2024)



22%

Wireless connected equipment in 2019



01 The big picture

02 The smart building challenge

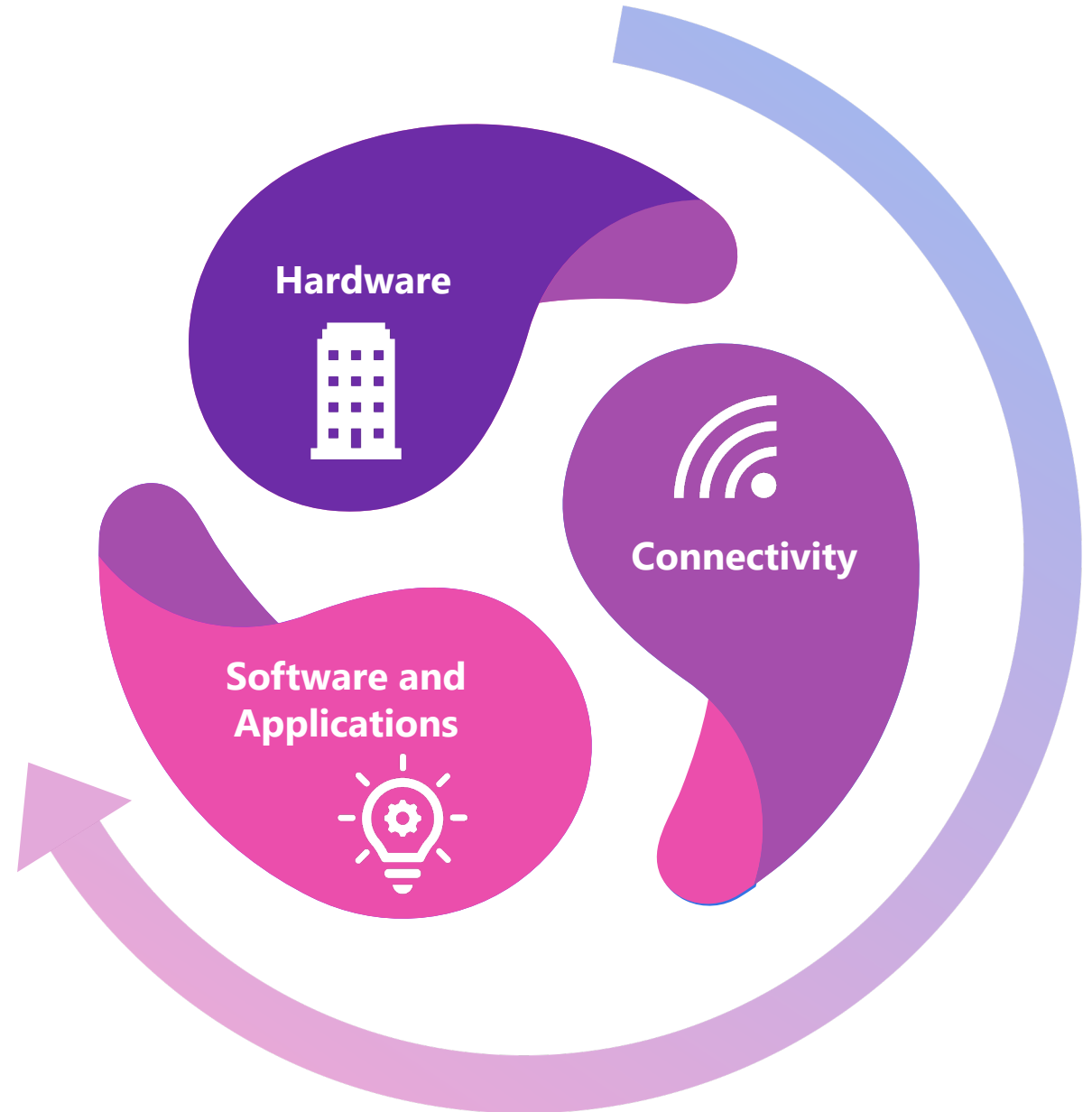
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Smart buildings framework

A smart buildings solution is only as strong as the weakest element from its **hardware**, **connectivity** and **software**.



Why lighting is an optimal connected buildings sensory network



Right location

Wherever there are people there are lights



Right connection

Constant power and digital network



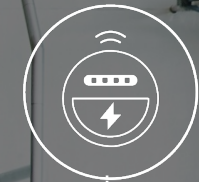
Right time

Energy savings can fund the technology investment

Energy efficiency solutions



Maintenance & tracking solutions





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Doing more with less:
Energy/cost efficiency
Short-term COVID response
Long-term ROI



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Audience Q&A



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Thank You

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