Cisco Digital Building Solution

Your foundation for digital transformation

Delivers savings and efficiencies spanning the entire lifecycle of your building–and your business. Get smart to manage today's needs and scale for the future.

80% of employees today want to work for a digitally-enabled company.[1]

Step 1: Simplify construction

Save on CapEx – manufacturing, cabling, installation

Traditional building

- Complex manual installation
- Expensive high-voltage AC

Digital building

- Simple install via mobile app
- Inexpensive PoE/DC cabling

Installation with AC wiring is **20%** more expensive[2]

PoE lighting to grow at **43%**

Day 0

Step 2: Deploy networking and technology

Build a scalable infrastructure

Traditional building

- Multiple technologies
- Inflexible
- Unsecure

Digital building

- Unified IP network and IoT protocols for device interoperability
- Simple mgmt. and deployment at scale
- Digital Network Architecture ready with automated security

25% of retrofits fail[1]

Up to **30%** saved in energy, spatial management, and maintenance in large sites[3]

Day 1

Step 3: Converge architectures and building systems

For integrated building management systems for facilities

Traditional building

- Silo'd building sub-systems
- Independent sub-systems are difficult to manage
- Manual slow maintenance/repair activities

Digital building

- Converged HVAC, lighting, surveillance systems
- Centrally controlled building mgmt. systems
- Simpler debug and reporting

49% cite security among top app challenges

$420M lost in HVAC breach by a large retailer

Advanced Connected HVAC and lighting controls can cut energy use by **40%**

Helps LEED Certification

Day 1

Step 4: Move in

Personalize each user experience

Traditional building

- Uniform surroundings, with no end-user control
- Devices don't talk to each other

Digital building

- Customized workspace with temp, humidity or lighting control
- Interoperability of IoT Devices for Analytics

68% of people don't like their office lighting[4]

50% are often dissatisfied with office temperature

16% improved productivity with personalized controls and enhanced lighting

Day N

Step 5: Manage and maintain

Optimize for business change

Traditional building

- Paper records and Manual reporting
- Wastes energy

Digital building

- Real time analytics and Heatmaps through networked sensors
- 38% savings via network controls and sensors vs. traditional

Average commercial building wastes **30%** of energy it consumes[5]

79% annual growth in sensor deployment in commercial real estate from 2015 to 2020[6]

Day N+

The total cost of ownership is surprising

Traditional buildings take more time and money to manage, compared to a smart building!

More than **50%** of energy waste can be eliminated.

Learn more about our network innovation here

Learn more

Sources: 1. Deloitte/MIT 2. Cisco Documentation-Pioneer Award Submission Form Cisco Digital Ceiling: Network Powered Lighting 3. Garner 4. American Society of Interior Design 5. Texas Instruments 6. Deloitte

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