The Latest Innovation in Fire Safety

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27th November 2019

The power behind **your mission**

Johnson Controls

Fire Detection History

Discreet product

1200's

Fire Detection History

Discreet product

Fire Detection History

Discreet product - improved data

1980's

FIRECLASS

Fire Detection History

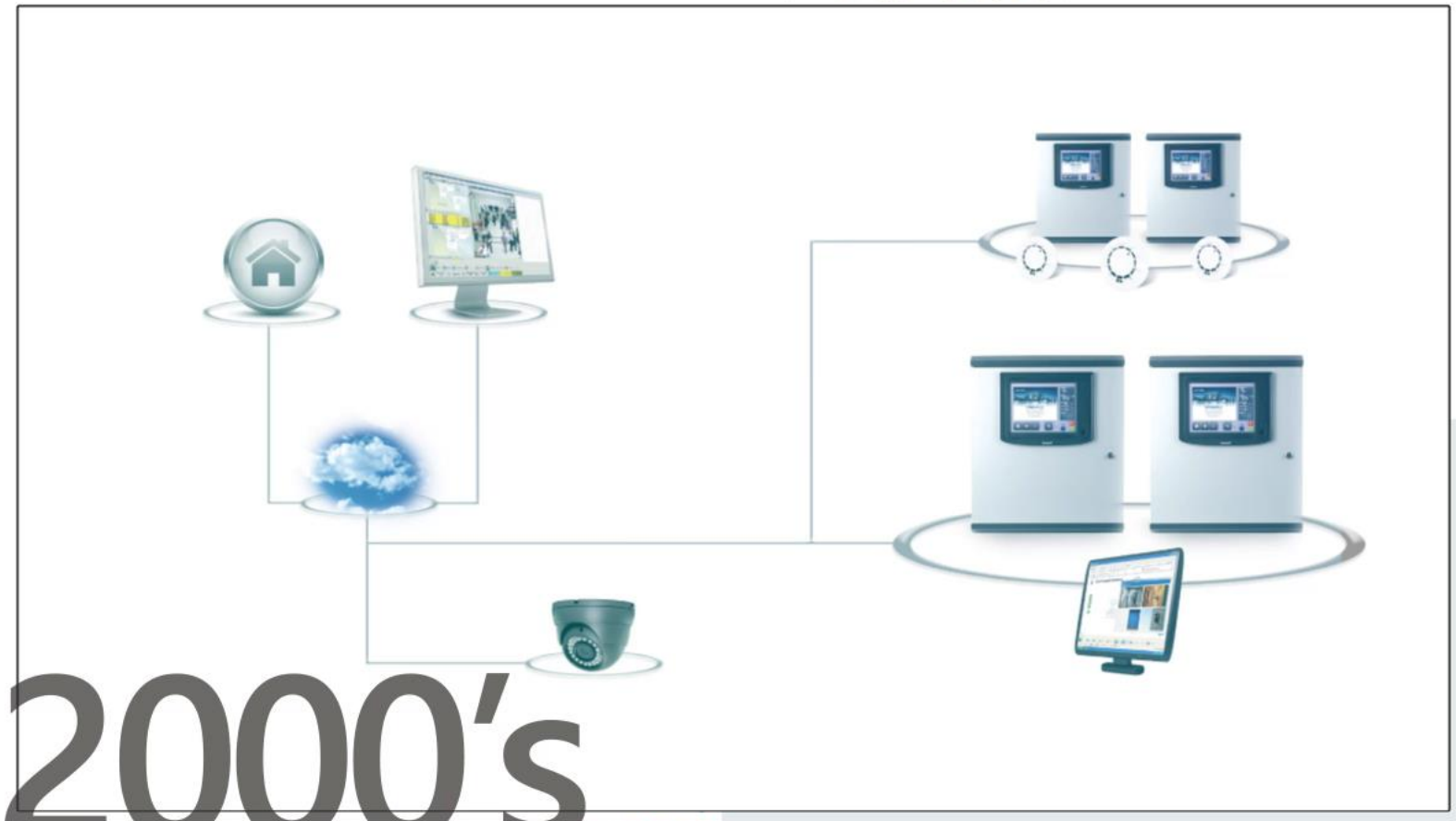
Discreet product - more data

1990's

FIRECLASS

Fire Detection Today

Combined product - Data enablement



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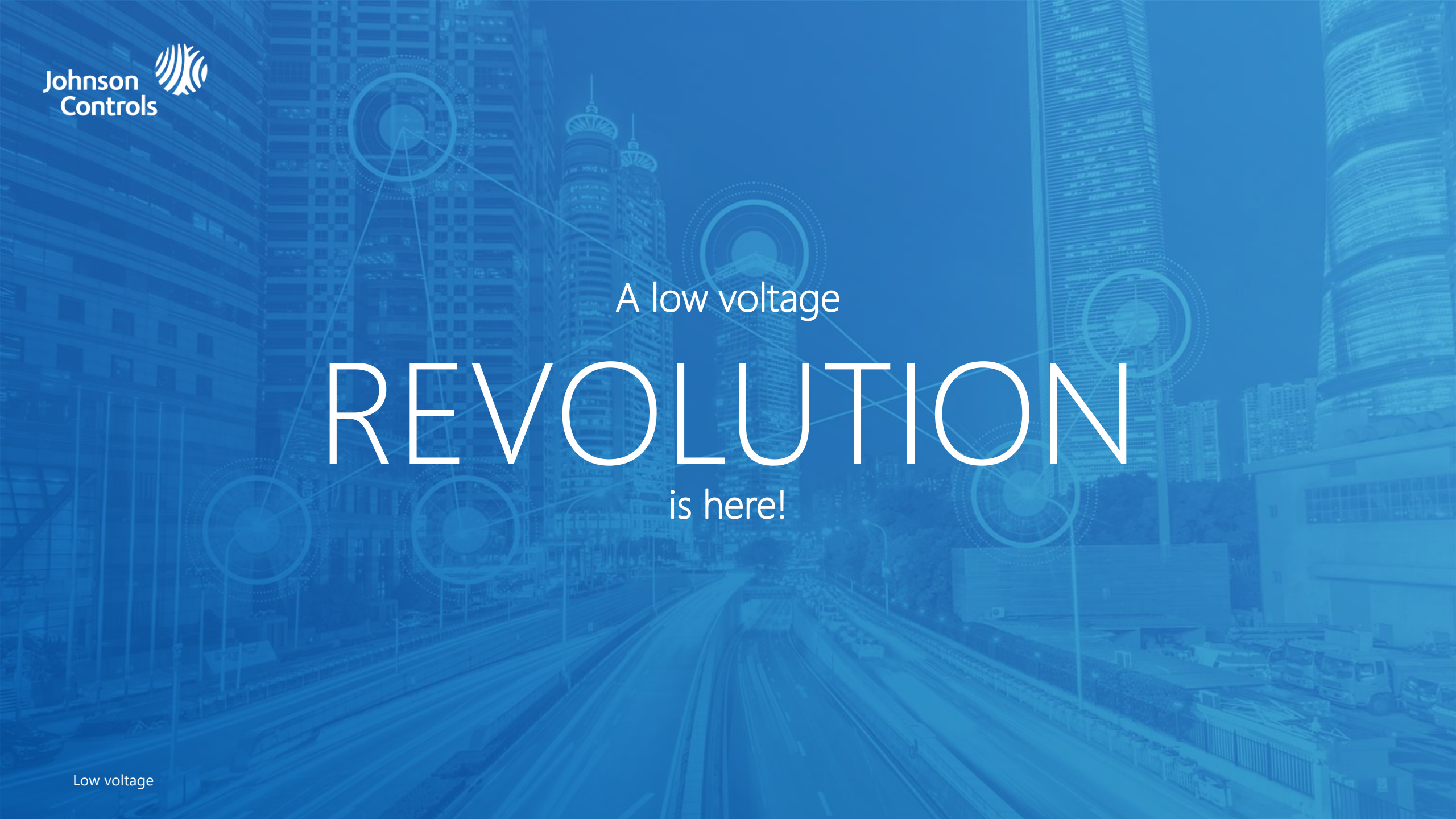
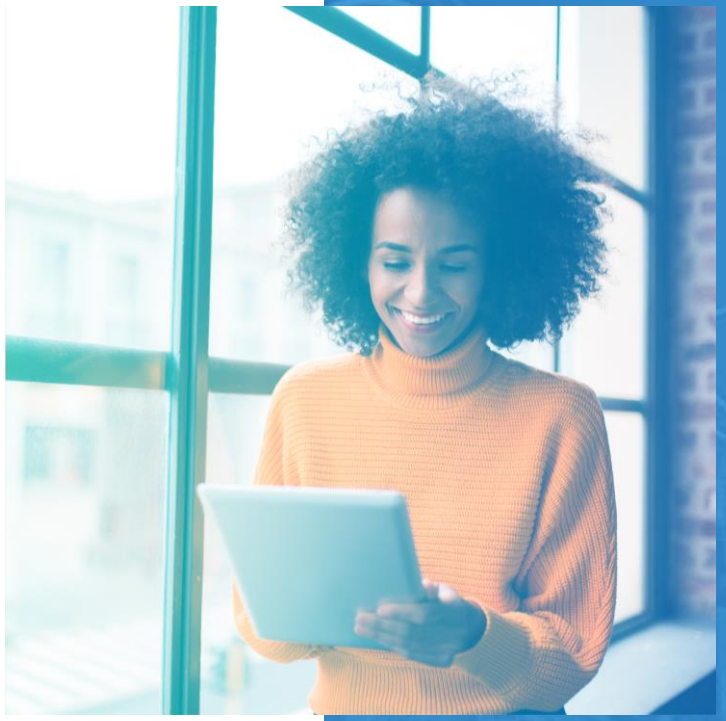

Johnson Controls
A low voltage
REVOLUTION
is here!
Low voltage

Low voltage

LED ceiling lights

Low voltage



Screens / tablets / laptops

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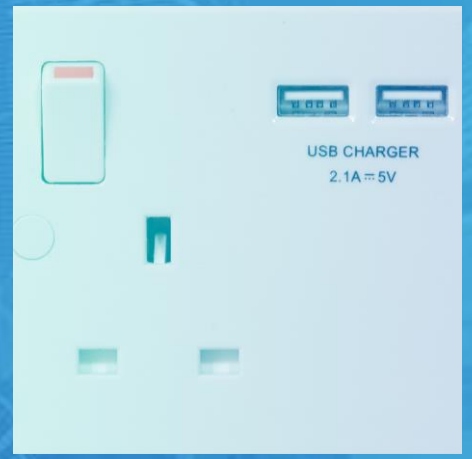
Low voltage

Detectors

Low voltage



Security Products
– IP network based

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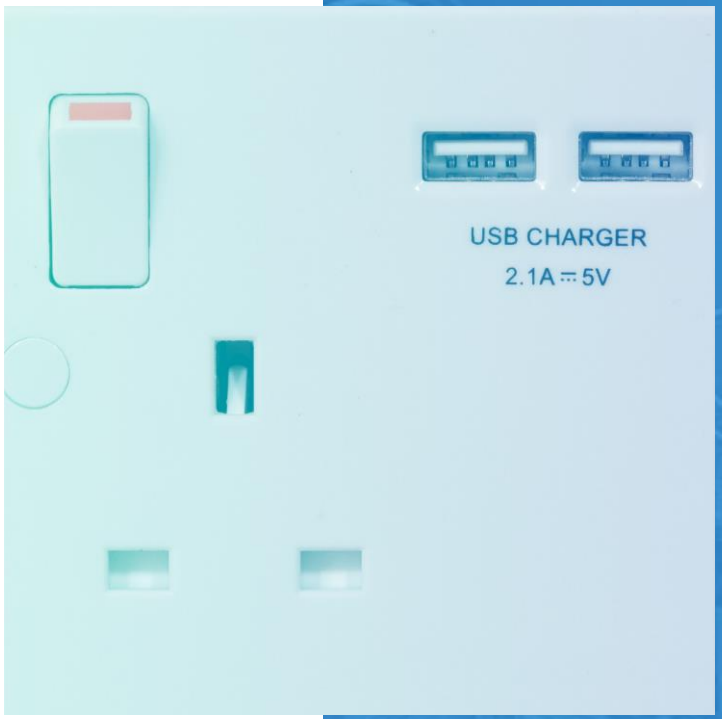
Low voltage



USB wall sockets

Low voltage

Building sensors

FIRECLASS

Johnson Controls
A low voltage
DELIVERY EVOLUTION
is coming...
Low voltage

Defining the need?

Markets demand for facility technology

- Fire Management
- DAS
- Nursecall
- Environmental Control
- Energy Management
- Business Enterprise Systems
- Electric System
- Maintenance Mgmt
- Lighting Control
- Time & Attendance
- Mechanical System
- Audio/Video
- Telecommunication
- Video Security
- Access Control
- Clocks
- RTLS
- WiFi

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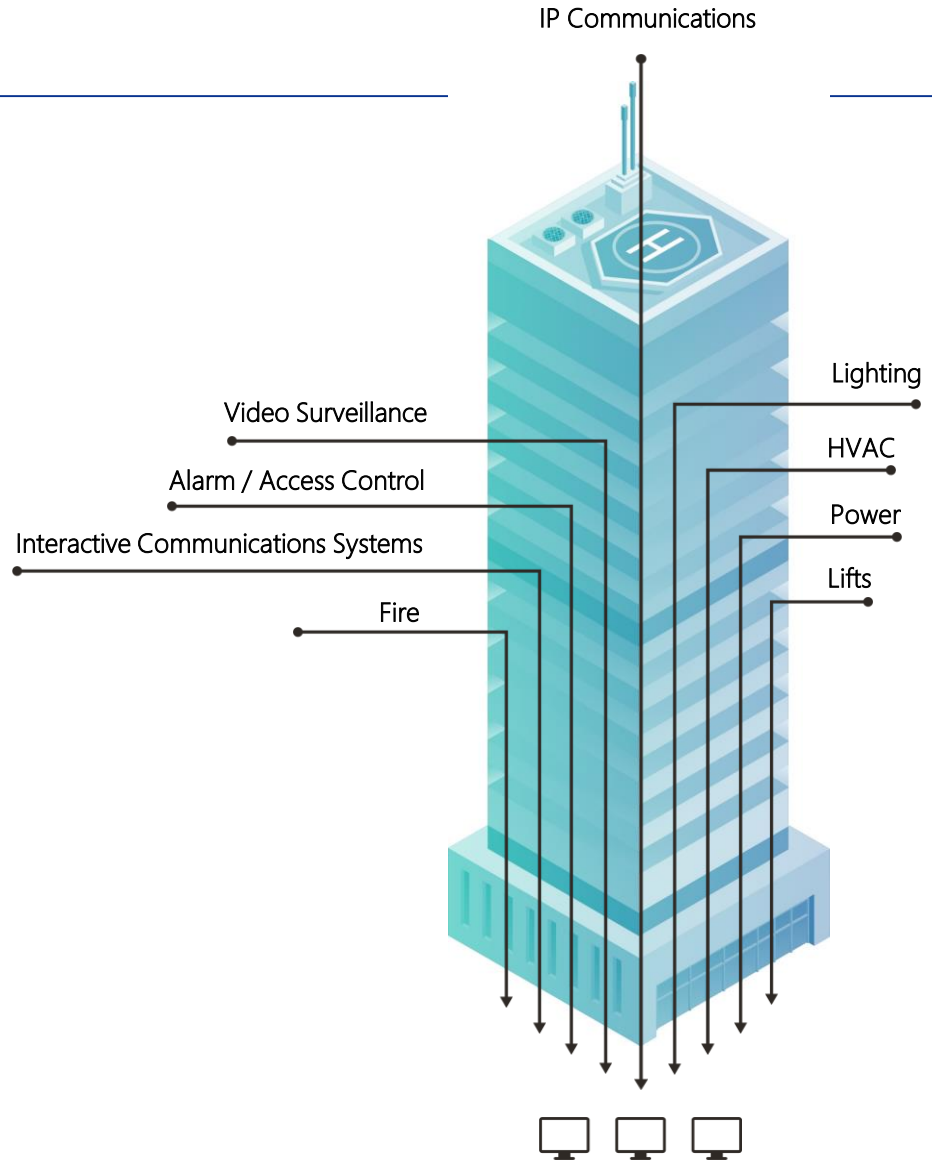
Building and IT Converging

Traditional Approach

- Multiple control networks and systems
- Disparate building networks
- Proprietary & Redundant
- Sub-optimal information usage



Multiple Control Networks & Systems

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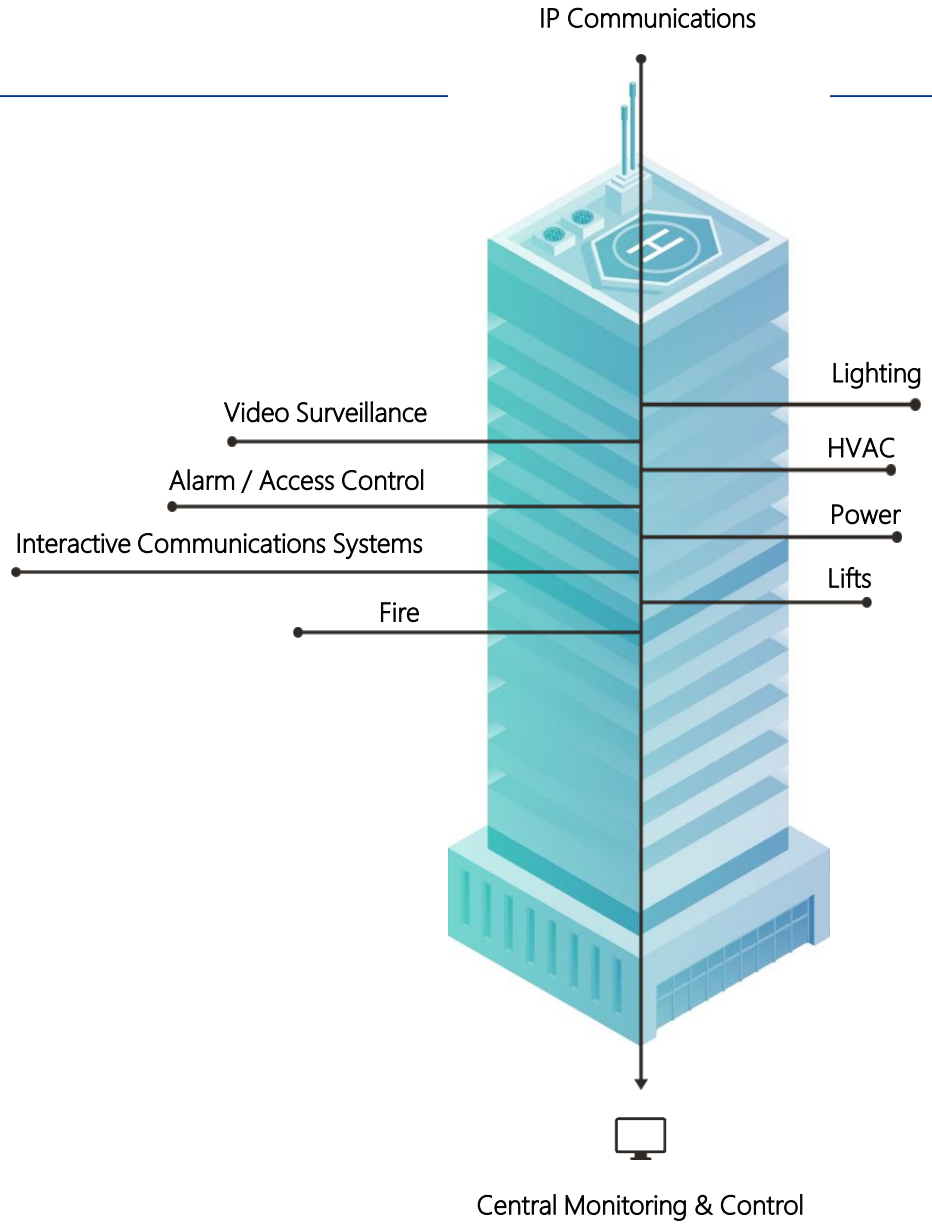
Building and IT Converging

Converged Approach

- Interoperability
- Efficient and Scalable
- Lower TCO
- Maximize ROI



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Johnson Controls
What´s the future of fire safety?
There is a new threat next to Fire...
Low voltage

How fire safety in smart buildings can help against terrorism

- We have to re-think our approach: The Fire Code - A Tool Against Terrorism?

- Possible scenarios: Terror alert vs. Bomb alert
  - Terror alert: Look down the building
  - Bomb alert: Evacuate the building

- Fire Safety systems can help to achieve these two procedures with different solutions:
  - Using the existing fire system with different sounder tones to indicate the different threat level
  - Public address systems
  - IP networked communication
  - Paging systems
  - Staff training
  - A mixture of all of the above

Thank you!

See you at booth V66!