

HONEYWELL BUILDING TECHNOLOGIES

An aerial night view of a city skyline, likely Shanghai, featuring several prominent skyscrapers. The scene is overlaid with a complex network of glowing yellow and white digital lines that arc and connect various points across the city, symbolizing a smart building or IoT network. The sky is dark with some clouds, and the city lights create a vibrant, futuristic atmosphere.

Honeywell

HONEYWELL INTERNATIONAL INC. OVERVIEW

NYSE: **HON** | ~**834** sites | ~**103,000** employees | **Charlotte, N.C.** headquarters | **Fortune 100**



BUILDING TECHNOLOGIES

Commercial building owners and operators use our hardware, software and analytics to help create safe, efficient and productive facilities. Our solutions and services are used in more than 10 million buildings worldwide.

\$5.2B
Sales



PERFORMANCE MATERIALS AND TECHNOLOGIES

We develop advanced materials, process technologies, automation solutions and industrial software that are revolutionizing industries around the world.

\$9.4B
Sales



AEROSPACE

Our products are used on virtually every commercial and defense aircraft platform worldwide and include aircraft propulsion, cockpit systems, satellite communications and auxiliary power systems.

\$11.5B
Sales



SAFETY AND PRODUCTIVITY SOLUTIONS

We improve enterprise performance and worker safety and productivity with automated material handling and voice scanning and mobile computing technology, software solutions and personal protective equipment and sensing technology.

\$6.5B
Sales

Aligned to Key Global Macro Trends

HBT WHERE WE OPERATE

HBT PRODUCTS, SOFTWARE AND SERVICES ARE FOUND IN MORE THAN

10 MILLION BUILDINGS WORLDWIDE

- Building portfolio management
- Building comfort and control systems
- Fire alarm systems and detection
- Video management and security
- Access and intrusion control
- Smart city and community solutions
- Air and water purification



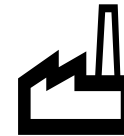
Airport



Data Centers



Healthcare



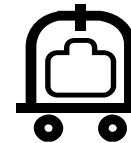
Industrial



Smart Cities & Communities



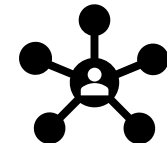
Education



Hospitality



Office



Multisite

CUSTOMER EXPECTATIONS ARE RISING...

80-90% time in buildings



Budget pressure & ROI scrutiny increasing



Productivity impact
Increase: 11% ventilation, 23% lighting
Decrease: 4% cold, 6% hot



Smart Buildings growth
\$7.0bn to \$17.4bn '19
(22.6% CAGR)



Buildings consume >40% global energy consumption



Social responsible investors demanding green buildings



Introduction of WELL building standards



Buildings = 45% of total connected things by '20



>80% building TLC occurs post construction



Heightened security physical & cyber



Consumer expectations transcended into building ecosystems



Gen Y contemporary expectations = 75% of workforce by 2020



204% growth in social media usage 2010 - 2020



85% global organizations considering, exploring or implementing an IoT strategy



37% of data in the cloud will come from buildings (2020)



2020 more users of smartphones than fixed line subscriptions at 6.1B



...AND TECHNOLOGY IS RAPIDLY EVOLVING



Automation



Video Analytics



User Experience



Cybersecurity



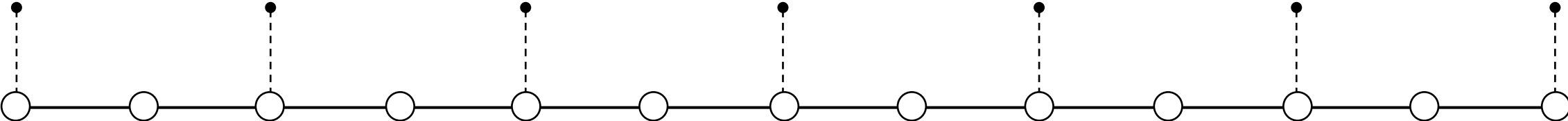
IoT



Augmented Reality



Self Diagnosis



Integration

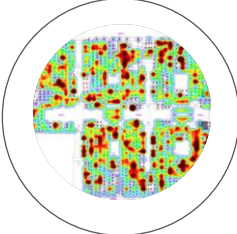
Workflow

Mobile

Cloud

Location Services

Artificial Intelligence



THERE IS A NEED FOR HUMAN CENTRIC BUILDINGS

TRENDS DRIVING BUILDINGS



Critical Capabilities

- Access Control
- Building Management Systems
- Digital Lighting
- Public Address and Voice Announcement (PA/VA)
- Public Information Video/Noticeboards
- Security/Closed Circuit Television (CCTV) and Digital Video Surveillance
- Energy Management
- Fire Detection and Alarm
- Heating, Ventilation and Air Conditioning
- Service and Maintenance
- Structured Cabling and Cable Management
- Systems Integration
- Occupant and Asset Location
- Occupant Wayfinding
- Perimeter Protection
- System Validation