

An overview brought to you by Buildings of the Future

# Ensuring occupant health

Key findings and insights from  
a global study of 21 office buildings



Discover the key wellness factors affecting occupant health, the science behind them, and the importance of sharing data with occupants as we unlock the business benefits of healthy buildings.

Sustainable | Resilient | Hyper-Efficient | **People-Centric**

Life Is On

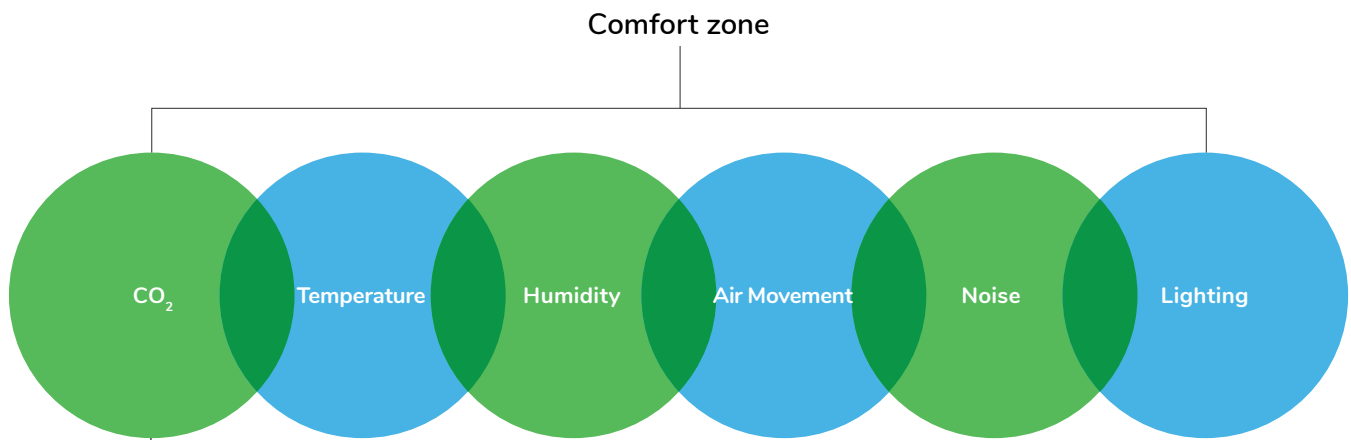
**Schneider**  
Electric

A new study of 21 buildings around the world shows how owners and managers can gather, analyze, and act on data in real time to support occupant wellness, productivity and comfort in measurable, valuable ways.

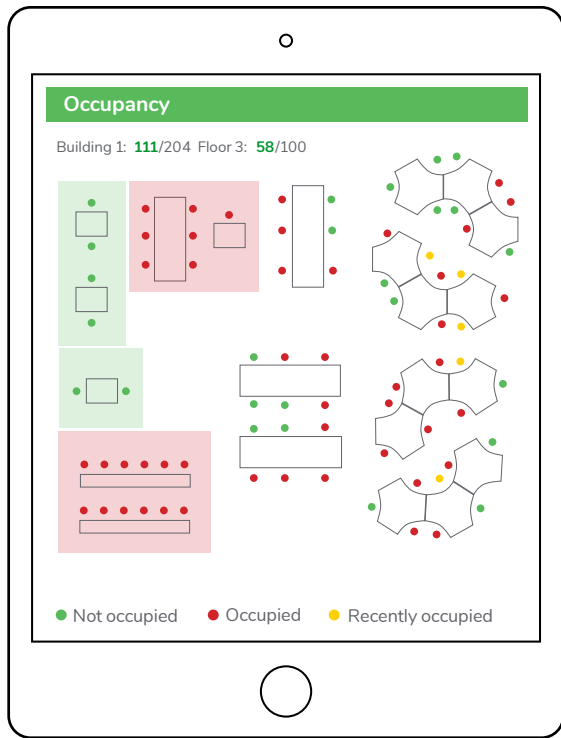


## Key occupant experience factors

From carbon dioxide levels to light and sound, building managers need to measure core factors and adjust environments for optimal well-being and comfort.



CO <sub>2</sub> concentration	Impact on human health
400 - 1,000 ppm	Concentrations typical of occupied indoor spaces with good air exchange. No impact on human health.
1,000 - 2,000 ppm	Complaints of drowsiness and poor air.
2,000 - 5,000 ppm	Headaches, sleepiness, and stagnant, stale air. Poor concentration, loss of attention, increased heart rate and slight nausea may also be present.



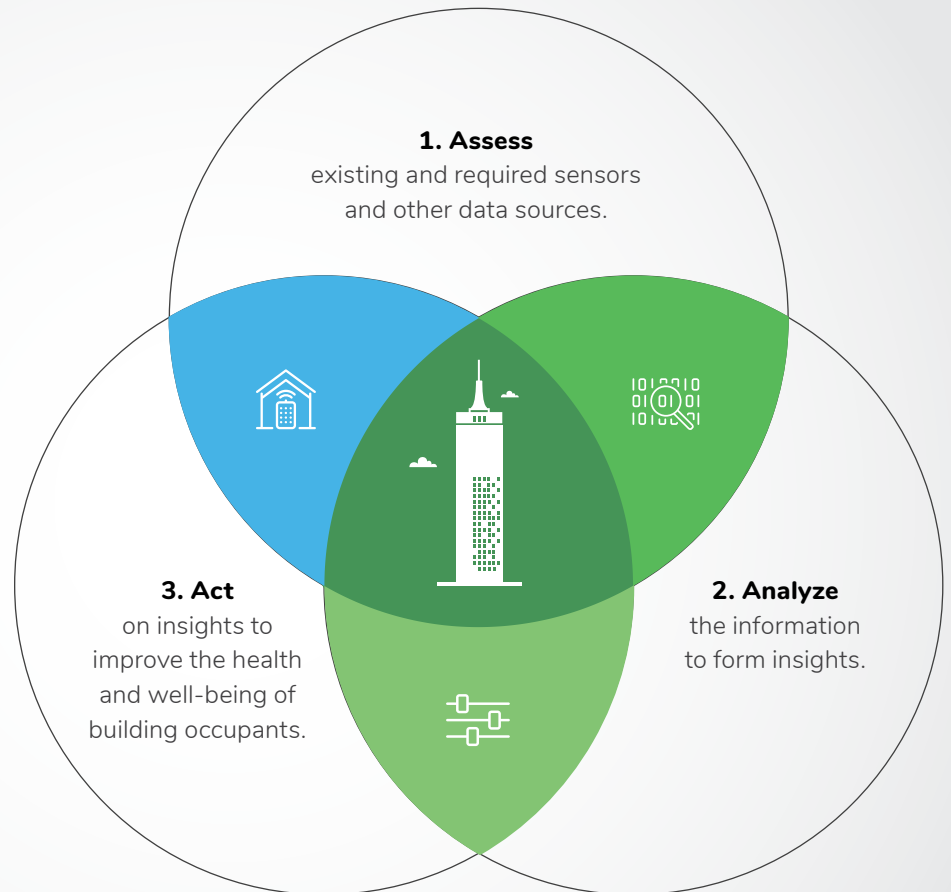
## Dashboard

Visibility is key. Analyzing data across buildings allows managers to prioritize areas with the lowest health scores or out-of-range indicators. And tracking the variability of such parameters gives teams the power to identify recurring issues and opportunities for predictive maintenance.



## Three steps to healthier buildings

We've outlined three core steps to achieving a healthy building transformation:





## Machine learning, wearables and the IoT: the future of Healthy Buildings

Well-being is personal. Apps available on wearable or mobile devices share data and give occupants more control over their environment with features like:

- Quiet zones
- Building entry assessment
- Hot desking
- Smart parking
- Room booking
- Wayfinding
- Maintenance tickets



## See key findings and insights from a global study of 21 office buildings

Check out the full report to learn more about the science behind healthy buildings.

[Read the white paper](#)

Co-authored by:

