

This presentation was live at:



Smart Buildings

SHOW

18-19 October 2023 • ExCel London



SMART BUILDINGS SHOW | LONDON | OCTOBER 19

Residential smart & sustainable buildings

Why open technology and vendor collaboration matters



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Head of Strategy, Sustainability & Portfolio Management

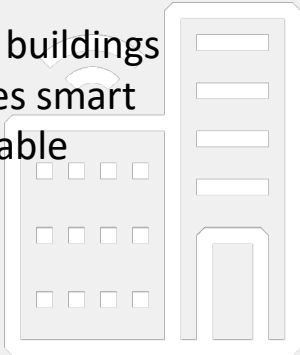
ABB Smart Buildings

ABB Electrification Smart Buildings Division

Electrifying buildings in a safe,
smart and sustainable way

We ensure a safe
& reliable energy
distribution

We make buildings
and homes smart
& sustainable



~14,000
Employees



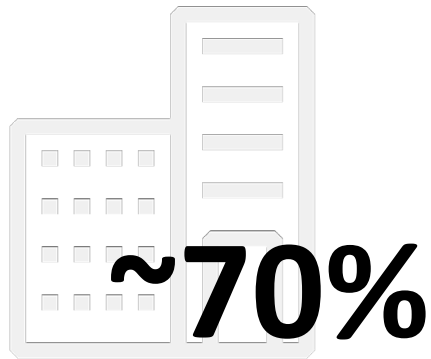
\$2.75 bn – \$3.25 bn
Revenues



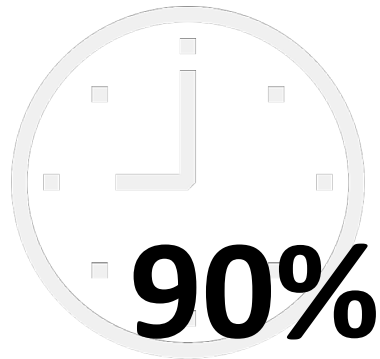
34
manufacturing sites



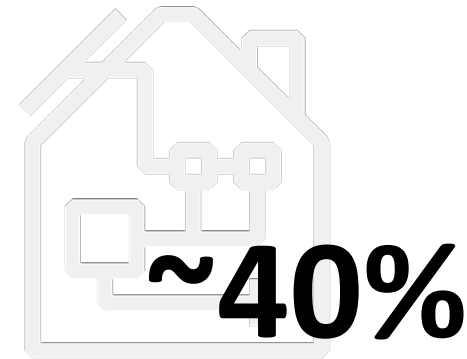
Do we need SMART & SUSTAINABLE buildings?



of 9.8bn global population by
2050
will live in urban areas¹



of time spent
in buildings²

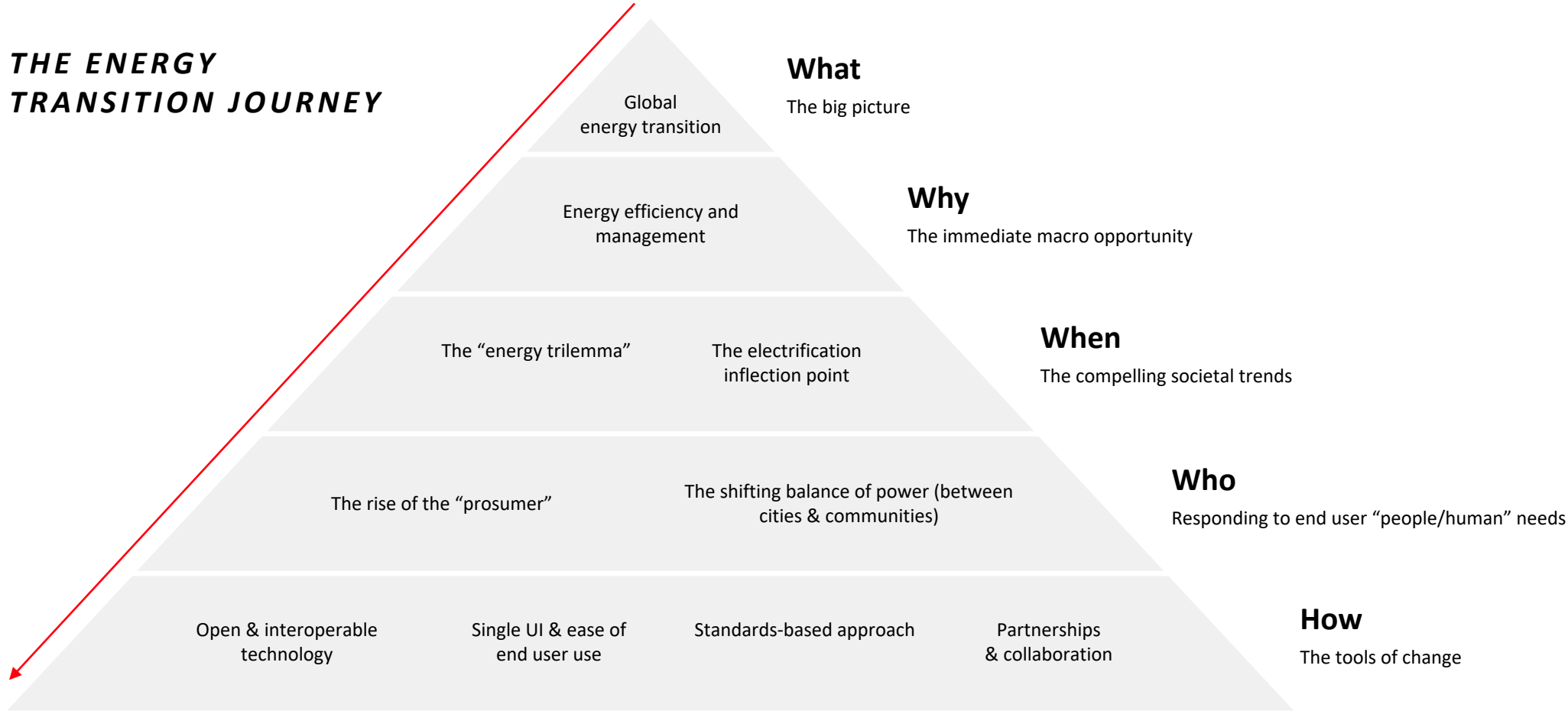


of all energy consumption
from buildings^{2,3}

1. United Nations (growing from 52% of 7 billion in 2010) 2. [US Environment Protection Agency](#) (2021), [European Commission](#) (2003) 3. [UN Environment Program \(UNEP\)](#)

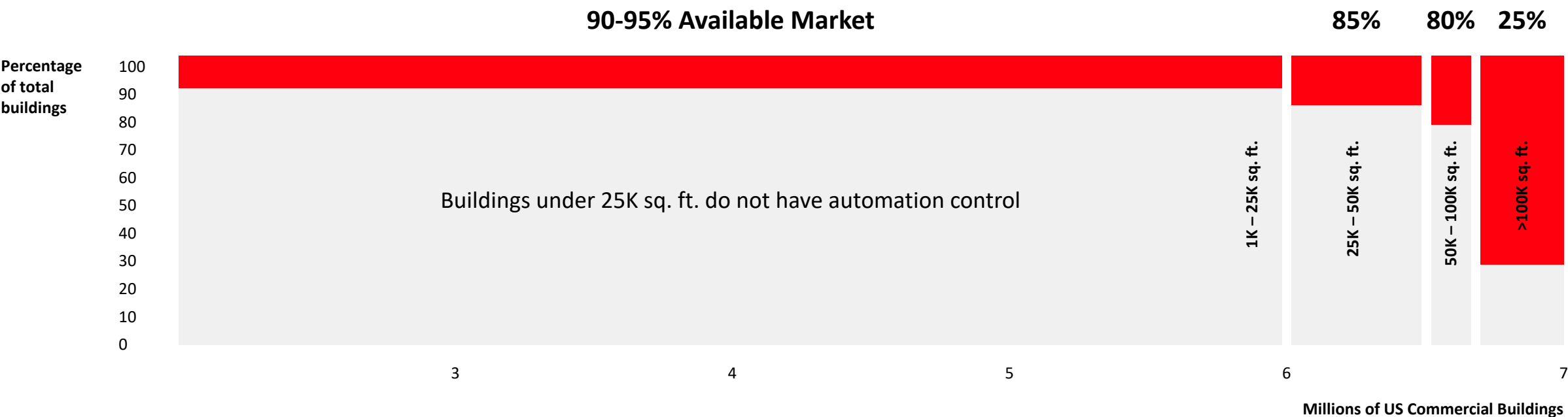
Do we need SMART & SUSTAINABLE buildings?

THE ENERGY
TRANSITION JOURNEY



Building automation currently focuses on large complex installations

US Market – retrofit vs new construction



Today most buildings are still not smart



**How can we make
our buildings
smarter and more
sustainable?**



Embrace openness



Start early



—

**Let's take a look at a homeowner
trying to make his home
smart & sustainable...**



Importance of open standard & protocol



Open standard and protocol to enhance open collaboration

No single company can
solve this challenge...

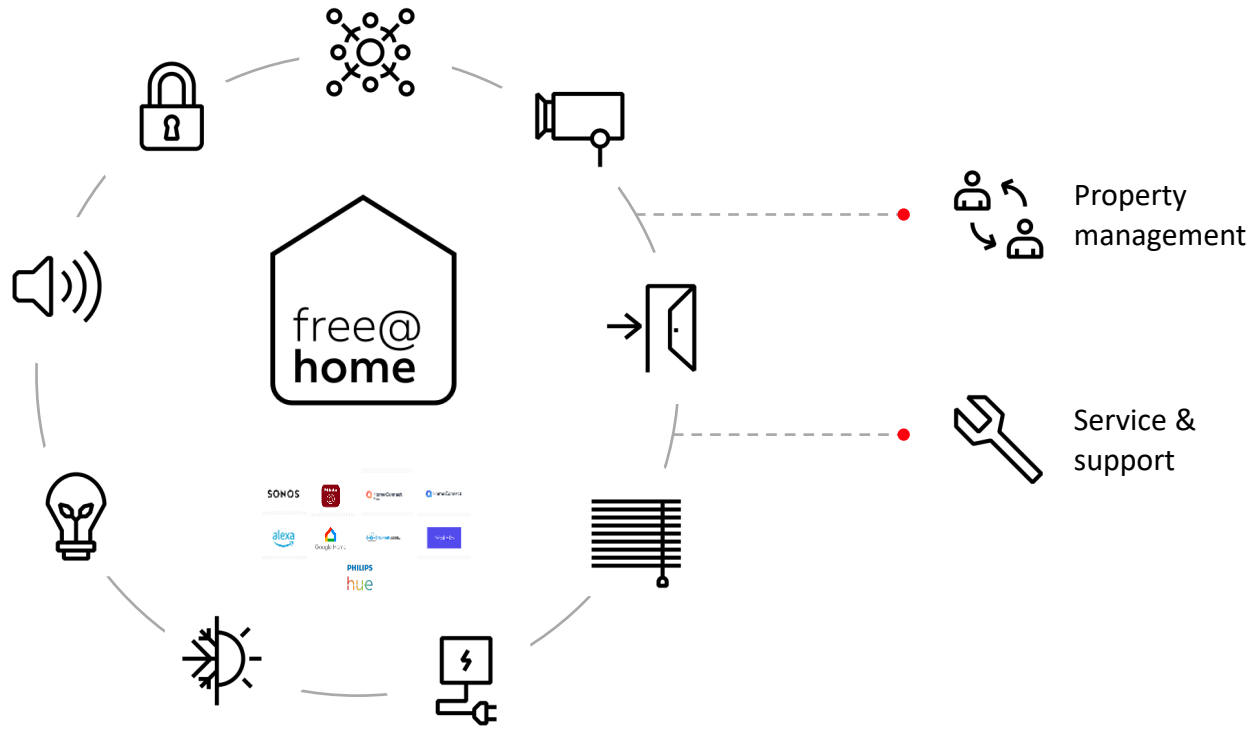
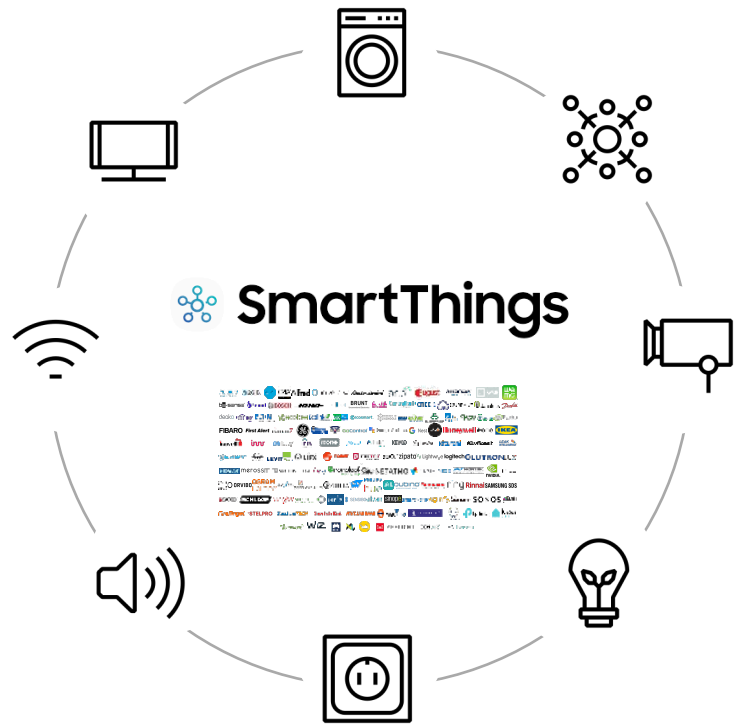


No single company can solve this challenge...



Samsung SmartThings and ABB-free@home®

Award-winning Smart Home solutions



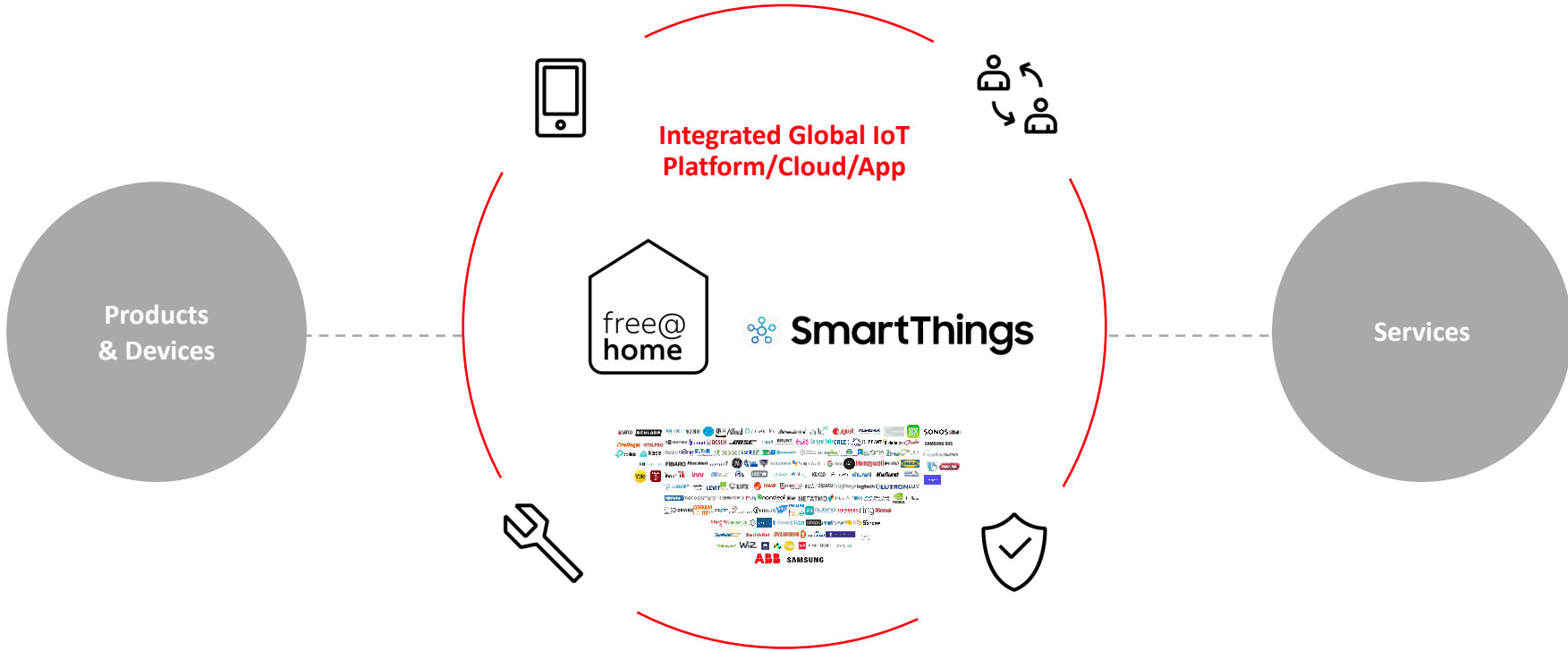
Safety & security



App & connectivity

World-class integrated Smart Home IoT Platform

allows users seamless and complete home management



- Wi-Fi
- Security
- Media
- Lighting
- Blinds
- Doory Entry
- Outlet
- Energy
- Appliances
- HVAC
- Sensors
- Camera
- TV

Embrace openness



Start early



Combined ecosystem for every environment

Holistically connected and individually effective Smart Building solutions for homeowners, builders and developers



While suitable for single homes, the combined solution is scalable for multi-unit properties for development-wide visibility and control, whether owned or managed

Single Residential



House

Multi-Dwelling



Housing Communities



Low-rise Apartments

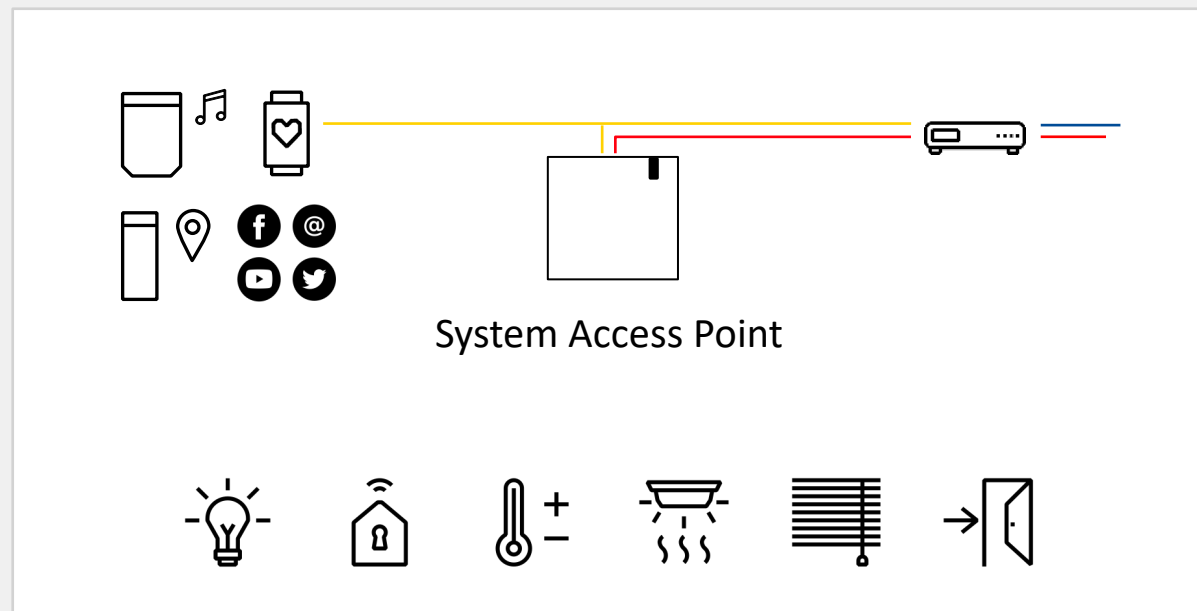
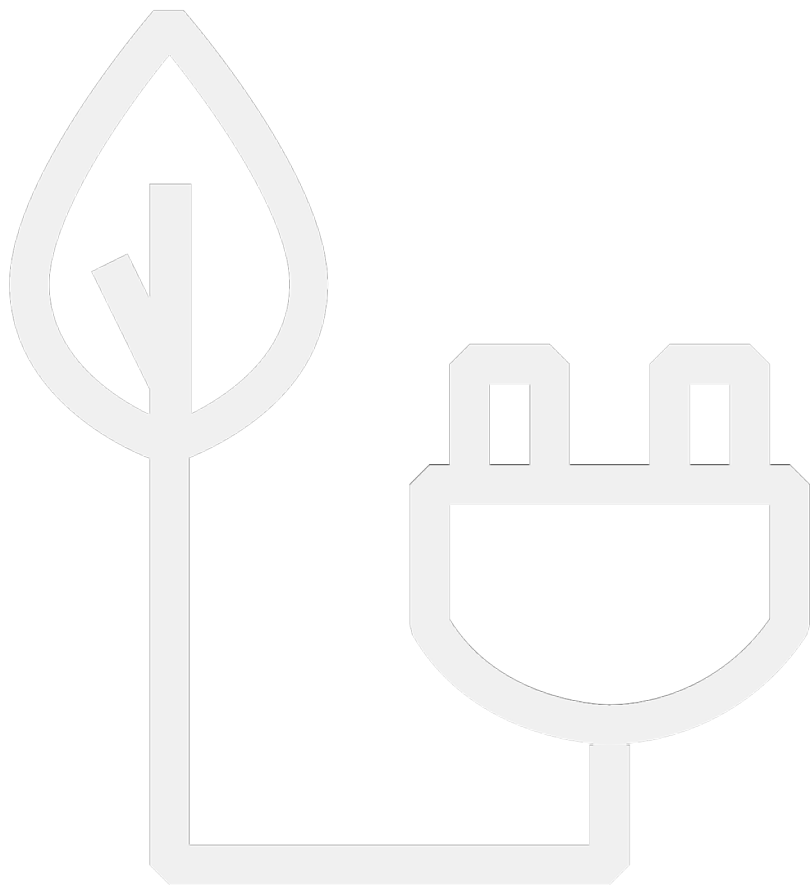


Towers



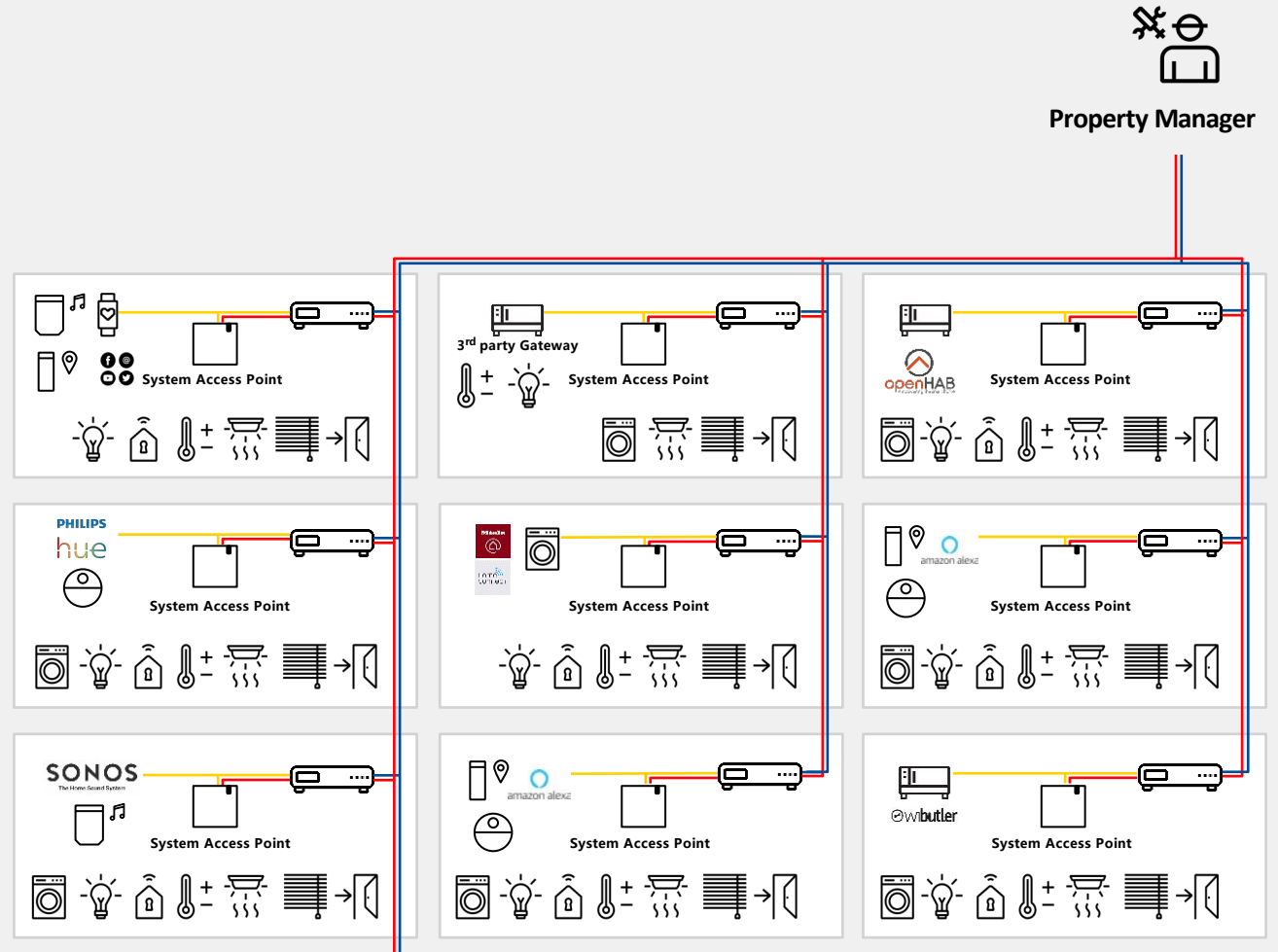
Mixed-use

Can we make one unit smarter and more sustainable? Yes...



The challenge is with multi-units & property manager accessibility

A fully individualizable solution for each tenant but connectable and accessible for the property manager



Innovative use cases

SIMPLE USE CASE

Bespoke smart home environment



SOPHISTICATED USE CASE

Integrated energy management for convenience and cost saving



Introducing Brobyholm – Smart community for the future

Driven by strategic partnerships

Phase 1
500 homes

Phase 2
2,000 homes

SMART LIVING

SAMSUNG **ABB**

RENEWABLE ENERGY PRODUCTION AND SHARING

cleanwatts **VATTENFALL**

ENERGY OPTIMIZATION

SAMSUNG **ABB** **cleanwatts** **VATTENFALL**

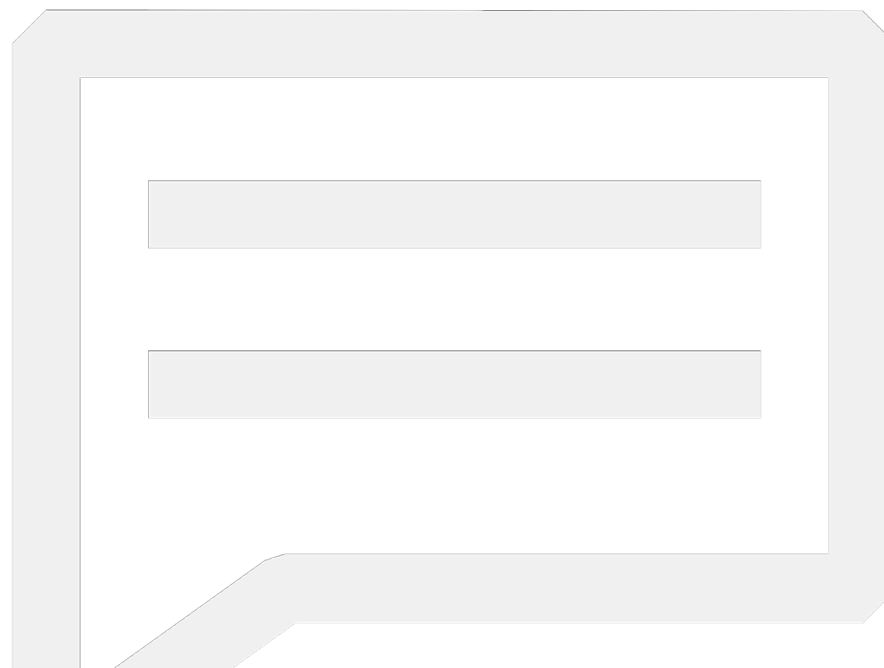
MOBILITY

elbilio





Q&A



Find out more!

Your key contacts



To learn more about our ABB Smart Buildings offering and to discuss your project requirements and how this can benefit you, please contact:

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ABB



Smart Buildings **SHOW**

9-10 October 2024 • ExCeL London

We look forward to seeing you in 2024