



WELCOME TO ABB SMART BUILDINGS

A Division of ABB's Electrification Business

THESE SLIDES CAN BE USED EXTERNALLY

**ENGINEERED
TO OUTRUN**

ABOUT ABB GROUP



ABB AT A GLANCE

Our **purpose** is to enable a **more sustainable** and **resource-efficient future** with our technology leadership in electrification and automation.

By connecting our engineering and digitalization expertise, we help industries run at high performance, while becoming more efficient, productive and sustainable so they outperform.

At ABB, we call this “**Engineered to Outrun**”.

[ABB.COM](https://www.abb.com)



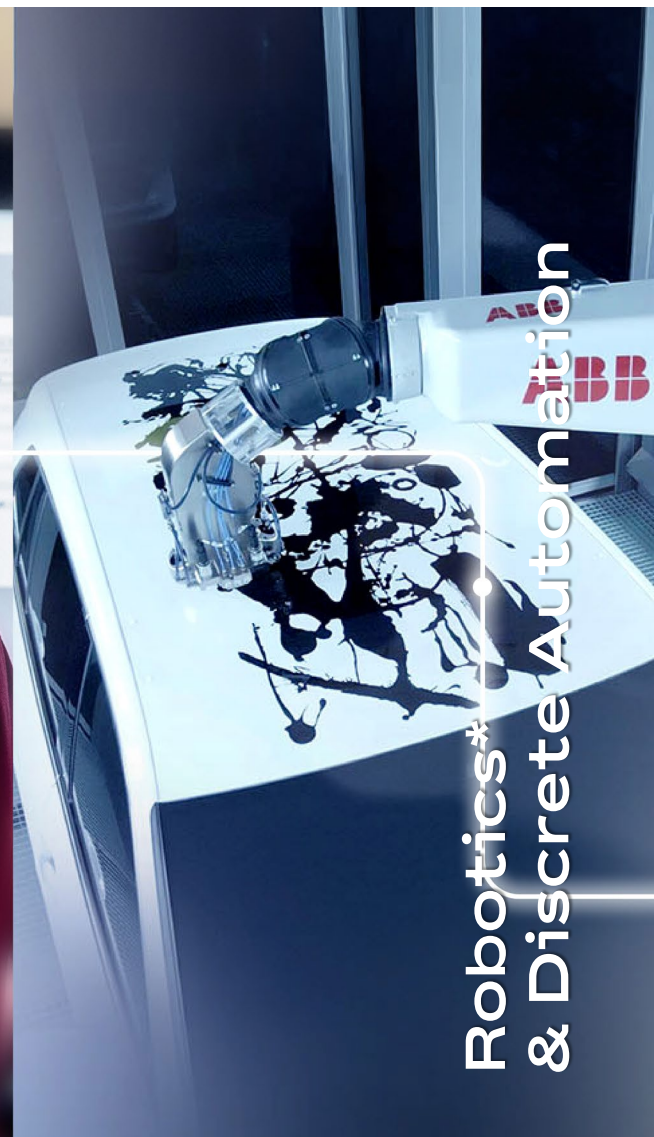
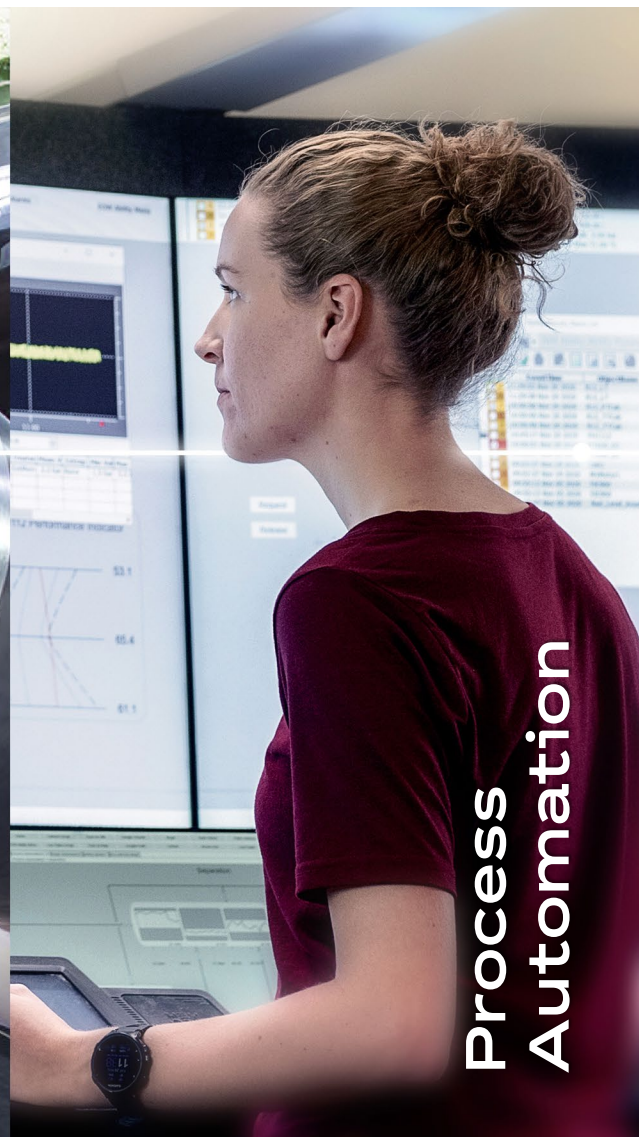
ENGINEERED TO OUTRUN

Industries are the beating heart of the modern world. From energy, power and mining to building, transport, manufacturing, and more – they need to meet the global demand, be more sustainable, efficient, and manage transitions. To them, “running” is no longer enough – they need to outperform.

With our leading technologies in electrification and automation, we help all industries run at high performance and become more productive, efficient and sustainable to outperform.



ABB's BUSINESS AREAS



*ABB to divest Robotics division to SoftBank for \$5.375 billion; deal expected to close mid-to-late 2026. From Q4 2025, Robotics will be reported as discontinued operations, and Machine Automation (currently part of Robotics & Discrete Automation) will join Process Automation.

ABB IN NUMBERS

The company has over 140 years of history and around 110,000 employees worldwide. ABB's shares are listed on the SIX Swiss Exchange (ABBN) and Nasdaq Stockholm (ABB).



~110,000

Employees globally



174

Nationalities



\$36.7bn

Order intake



\$33.2bn

Revenues



19.0%

Operational
EBITA margin



>160

Manufacturing
sites globally



\$1.3bn

R&D investment



~22k

Granted patents



22.6%

Women in senior
management
positions

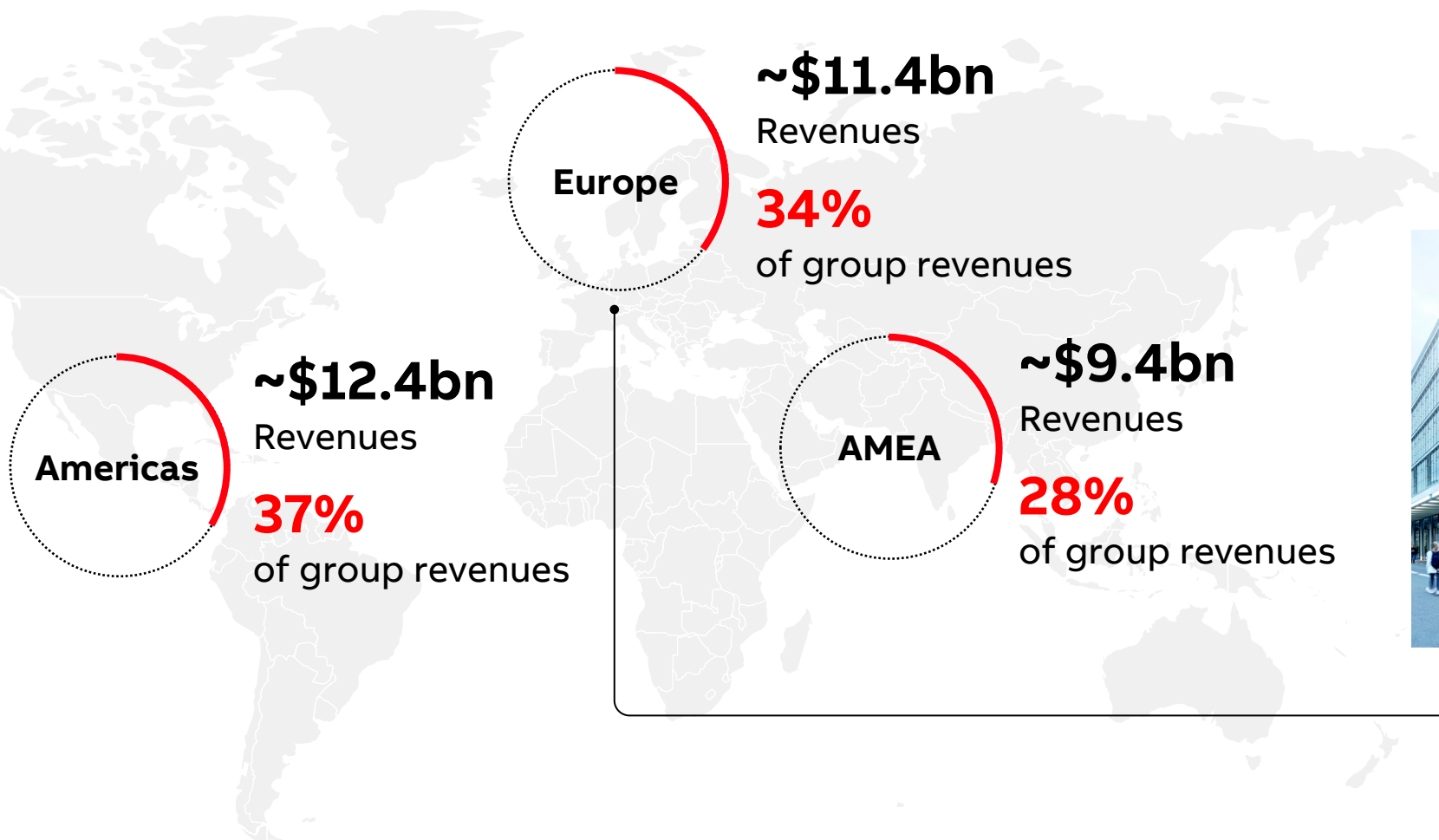


80%

Reduction of scope 1
and 2 GHG emissions
since 2019

140+
years history

ABB IS WELL-POSITIONED ACROSS GLOBAL MARKETS



Zurich, Switzerland
Global Headquarters



ABB ELECTRIFICATION

ELECTRIFYING THE WORLD IN A SAFE,
SMART, SUSTAINABLE WAY



ELECTRIFICATION IN NUMBERS



\$17.4bn
2025 revenues



~53,400
Employees



~100
Manufacturing locations



6,000+
Channel partners



8
Regional distribution
centers



THE WORLD NEEDS ELECTRIFICATION SOLUTIONS MORE THAN EVER

Making a **NET-ZERO FUTURE** a reality



DEMAND FOR ELECTRICITY

>50% of decarbonization is driven by electrification

electricity growing >10x faster¹



ENERGY TRANSITION

3X more renewable integration needed by 2030

~50% more grid investment needed by 2030



ENERGY EFFICIENCY

2x more energy efficiency improvements needed by 2030

Source: IEA 2023 report, McKinsey; 1. than other energy sources in 2022–30 and vs. 2016 – 2022.
Improvements needed by 2030 in order to reach net-zero targets by 2050

WE COLLABORATE TO FIND SOLUTIONS TO TODAY'S GREATEST CHALLENGES



ABB Offering and Programs

We believe in the power of collaboration to tackle the world's energy challenges, transform our industry and help customers meet their goals.



Channel Partner Expertise

We invest in our channel partners' capabilities to offer solutions tailored to their unique markets needs, drive sustainable business growth and efficiency.



Higher Growth

By simplifying how we do business, we enable our partners to provide a positive customer experience and sell the way customers want to buy.

Global Programs

- **Value Provider Program** – recognizing the highest technical and market expertise of our top-tiered partners
- **Distributor Online Acceleration Program** – enabling our channel partners growth in the digital space
- More than 270 channel partners under a branding and/or program
- **550 training** modules, 32 learning paths, 20 languages

We collaborate with a trusted network of channel partners to extend our reach and stay closer to customers. This ensures every client can access our solutions through the path that best fits their needs.

ELECTRIFICATION'S FIVE DIVISIONS



DISTRIBUTION SOLUTIONS

Segment specific medium-voltage switchgear and components as well as solutions that protect, control and facilitate efficient and reliable distribution of electric power strengthening the resilience of the grid.



SMART POWER

Energy distribution solutions that include the ABB Ability™ Energy Manager, industrial breakers, UPS solutions, motor starting applications, and essential safety devices such as switches and relays.



SMART BUILDINGS

Safe and reliable energy distribution, electrical protection, energy management and home and building automation solutions that help provide visibility into energy use, optimize energy consumption and enable the integration of renewable energy sources.



INSTALLATION PRODUCTS

Essential components and solutions to safely connect, protect and power Electrification, including connectors and terminals, cable management and protection, switchgear reclosers and accessories.



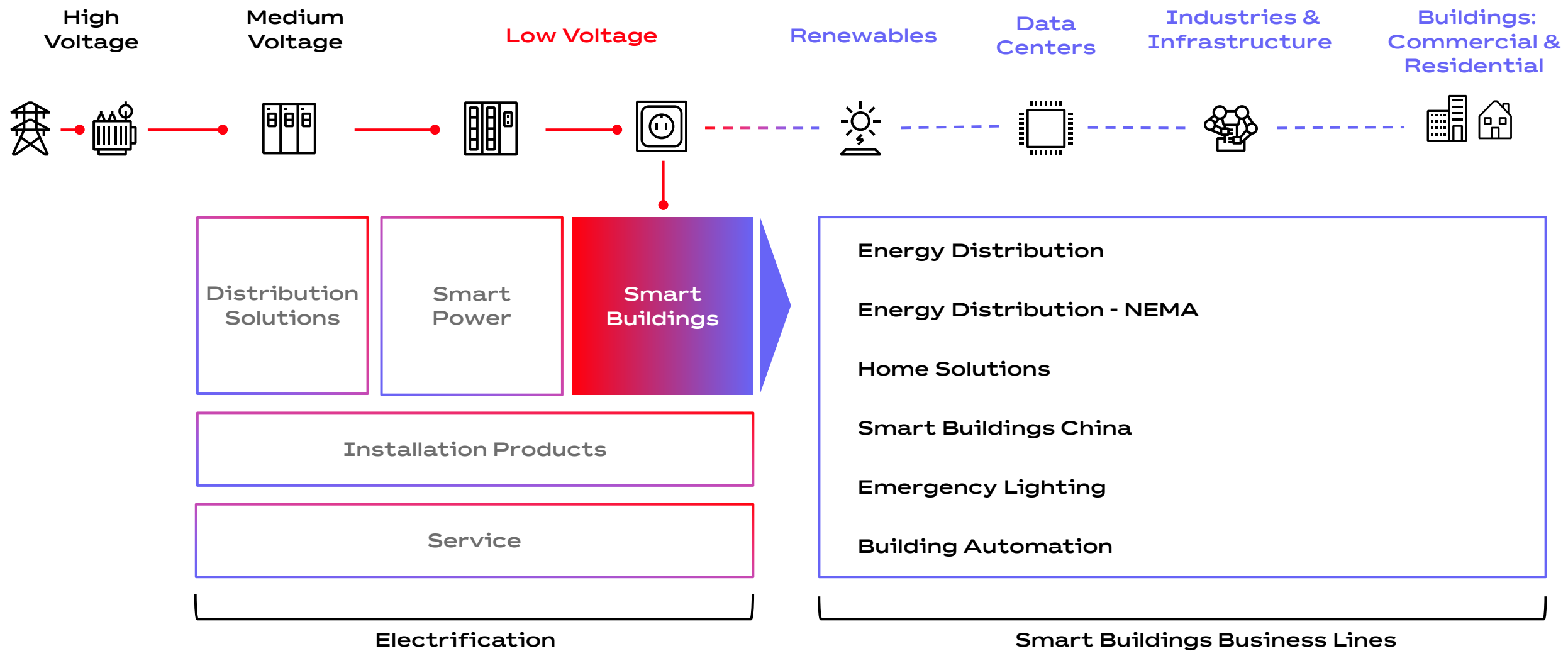
SERVICE

Extensive portfolio of services and technology for low- and medium-voltage products and networks to improve reliability, availability, predictability and sustainability of electrical systems.

ABOUT ABB SMART BUILDINGS

ELECTRIFICATION: SMART BUILDINGS

Who we are





SMART BUILDINGS AT A GLANCE



100+
Countries



\$3.3-3.4BN
Revenues



11,000
Employees



33
R&D facilities



26
Manufacturing locations

Overview of what we offer:

- Safe and reliable energy distribution
- Home and building automation
- Electrical protection
- Advanced energy management
- Visibility into energy use
- Optimization of energy efficiency
- Integration of renewable energy sources

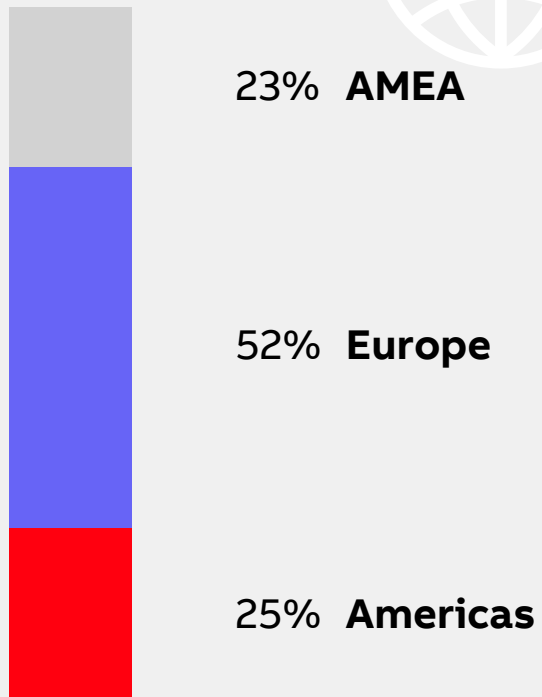
Our offering

- Smart Home
- Building Control
- Door Entry Systems
- Access Control + Security
- Emergency lighting + Battery Systems
- Wiring Accessories
- Industrial Plugs + Sockets
- DIN-Rail Products
- Distribution Enclosures

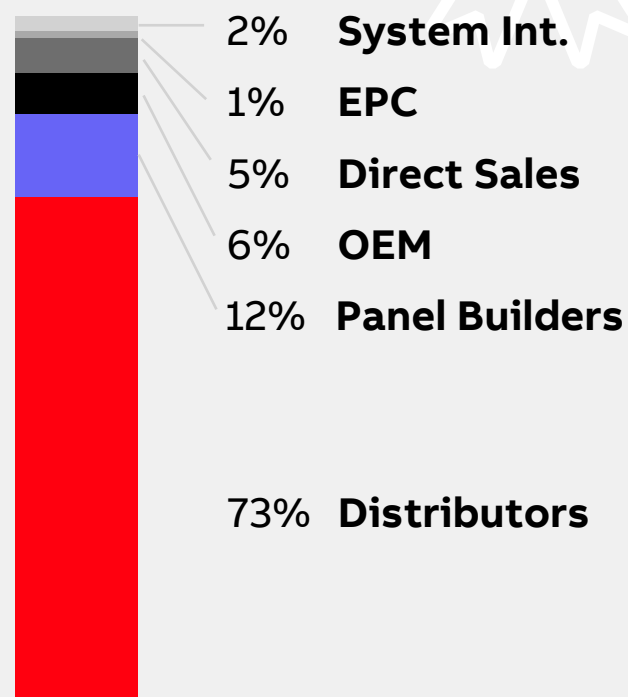
Electrification Smart Buildings

Geographies, Channels and Applications

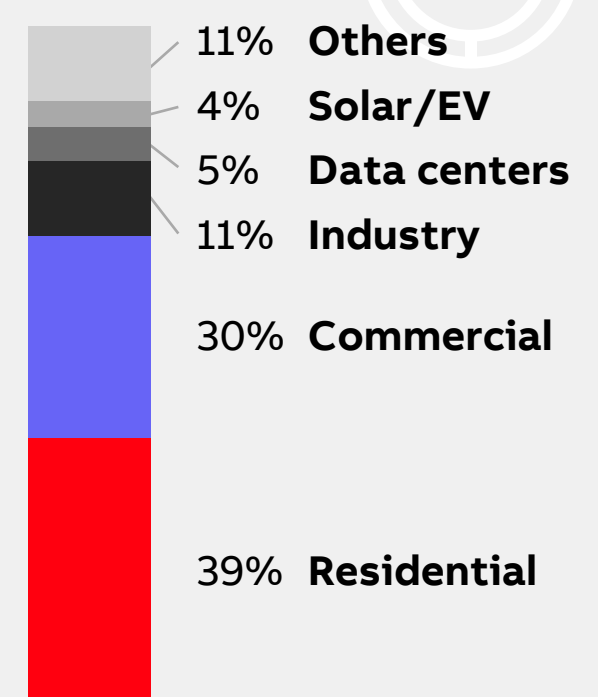
Across geographies



Channels to market



Applications across industries



WHAT WE DO: ELEVATING COMFORT, SAFETY, AND EFFICIENCY IN EVERY SPACE WE SERVE

RESIDENTIAL



**Home Automation
and Smart Devices**

**Door Entry &
Access Control**

**Energy
Management**

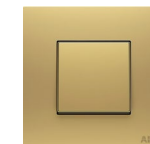
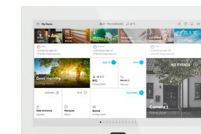
Metering

**Wiring
Accessories**

**Sub & Final Energy
Distribution**

**Eve Smart Home
Products**

**ED NEMA Circuit
Breakers and Surge
Protection Devices**



COMMERCIAL INDUSTRY INFRASTRUCTURE



**Room Automation
(KNX)**

HVAC Control

**Sub & Final Energy
Distribution**

Transformers

**ABB Ability™
Digital Solutions**

Metering

**Energy
Management**

**Emergency
Lighting**



OUR SMART BUILDINGS CULTURE

To achieve our goals, we empower our passionate people, drive impactful customer solutions, and unite as one team.



EMPOWERED PEOPLE

Our passionate people are empowered to make things happen, inspired by our purpose, driving speed and high performance, simplification, and doing the right thing.



CUSTOMER IMPACT

We deliver the best experience and solutions to our customers, driving innovation to solve problems today and in the future, leading the way to a zero-carbon future.



ONE TEAM

We work as one team, leveraging our global and diverse people as a foundation for our success. We care for each other, providing open feedback for continuous learning and growth.

HOW WE DO THINGS

1

Innovation

We are building on our legacy of market-leading innovation so that we are always responding to the needs of our customers.

2

Partnerships

Buildings are too complex for any one organization. We have built an open ecosystem to collaborate, innovate and scale, with distributors being highly valued partners across the value system.

3

Sustainability

We are reducing our own CO₂ footprint and help customers to do the same through our products and solutions.



FROM INNOVATION TO IMPACT

OUR GLOBAL MANUFACTURING FOOTPRINT (2026)

6
Americas

16
Europe Middle
East and Africa

4
Asia



26 in total

WHY WE MATTER: 5 MEGATRENDS ARE SHAPING THE FUTURE OF BUILDINGS



Electricity
from 20% to ~50%
as % of final energy
consumption
(2023 - 2050)

IEA

Urban population
from 55% to 68%
+2.5B people to urban areas
esp. Asia & Africa
(2018 - 2050)

UNITED NATIONS

EU ≥65 years pop
from 21% to 30%
(2023 to 2050) DE 7m
worker gaps in 2050

EUROSTAT
TOTALENT

Reduce buildings
energy by 20-22%
For all EU resi buildings
by 2035 & all new buildings
to be zero emissions by 2030

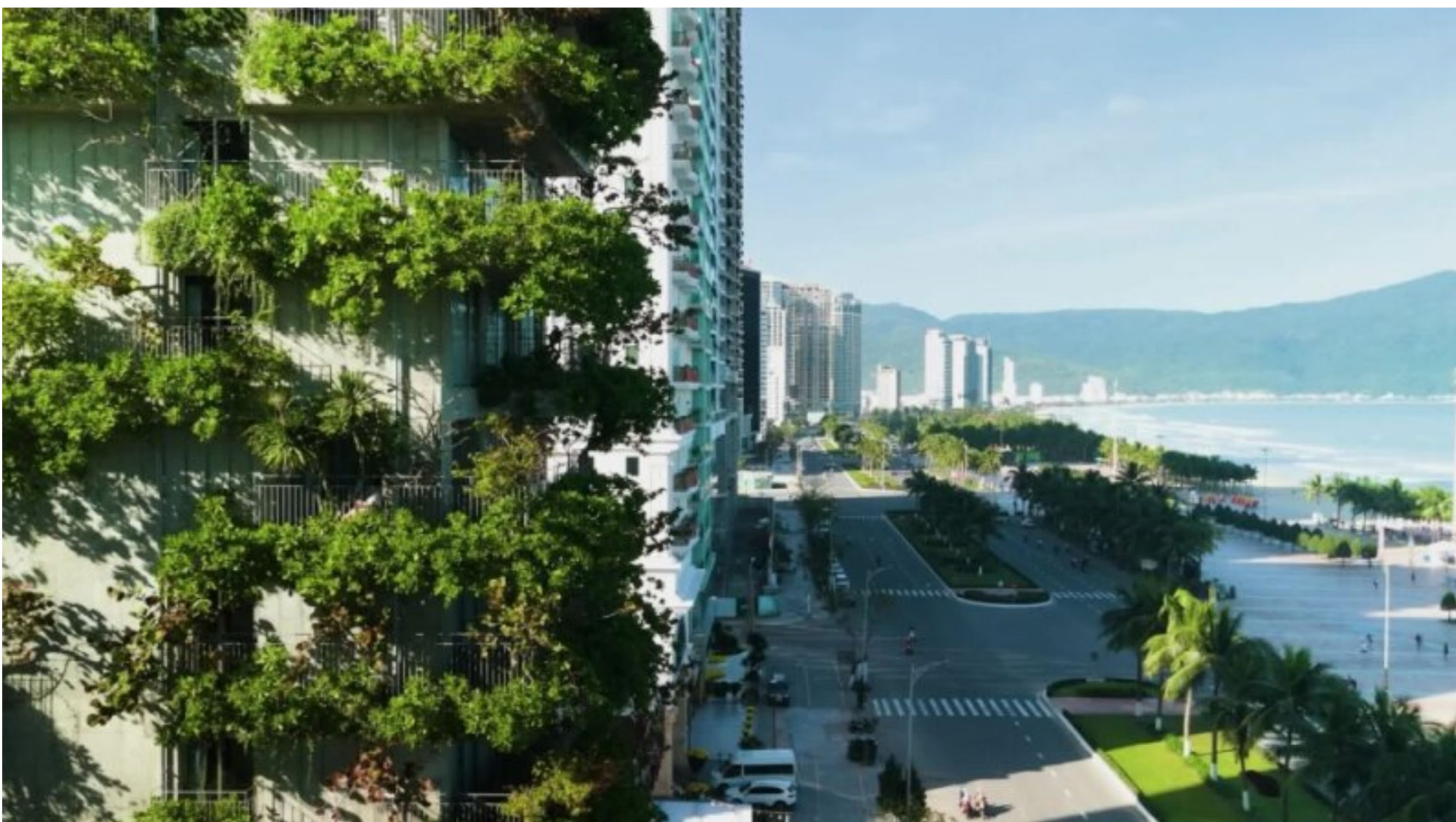
EU

3.3B IoT devices in
comm. buildings
By 2028, from
1.7B in 2023

BUSINESS WIRE

OUR SHORT FILM BRINGS TO LIFE HOW WE ARE RESPONDING TO THE FIVE MEGATRENDS

VIDEO EXPLAINER



[LINK TO THE VIDEO](#)

ABB

COLLABORATING FOR SMARTER SPACES

OUR STRATEGIC PARTNERSHIPS & INTEGRATION



AI-powered community energy sharing solutions

Cleanwatts integration with InSite energy management system

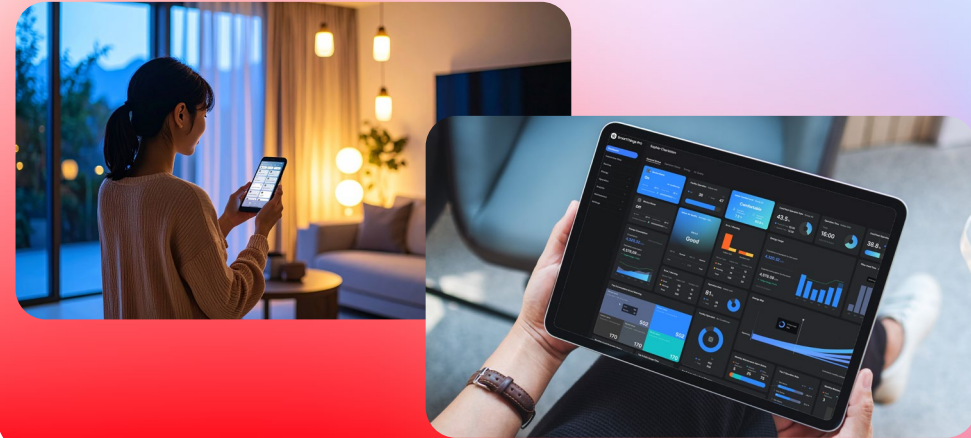


SAMSUNG



One smart living ecosystem for our businesses

Integration of ABB-free@home®, InSite, and ABB-Welcome into SmartThings and SmartThings Pro AI-powered platforms



OUR STRATEGIC PARTNERSHIPS & INTEGRATIONS

Energizing **innovation** through **collaboration**

Extend ABB-free@home® with integrations & Add-ons

NEW ACQUISITIONS

SIEMENS
Ingenuity for life
Wiring Accessories

lumin

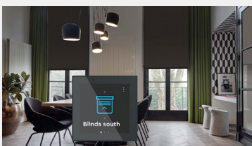
eliona
Smart Building Assistant

CLIMATE

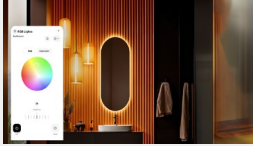

Faber


Cool Automation


Velux


Motion Blinds

LIGHT


LEDVANCE


Philips Hue

CONNECT


Google Home


Alexa

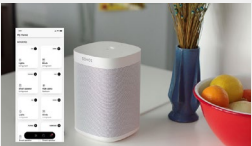

Matter Bridge & Connect


Scada


Olisto

SOUND


Sonoro


Sonos

APPLIANCES


Home Connect


Miele



ZERO-CARBON FUTURE AT SMART BUILDINGS

CUSTOMERS

Our EcoSolutions™ QR code gives customers easy access to information about a product's Environmental Product Declaration (EPD) & circularity*.

413

Third-party verified **EPDs**

68%

of revenues assessed by **ABB Circularity Approach**³

43%

of revenues meeting **ABB Circularity requirements**³

180

product ranges launched under **ABB EcoSolutions™**

SUPPLIERS

We are expanding the use of sustainable raw materials and work with our suppliers to support their sustainability journey.

200+
(2025–2030)

with **EcoVadis** scorecard, **PCF** collection, Scope 3.1 **emissions reduction roadmap**

OPERATIONS

Our Mission to Zero™ and Zero Waste to Landfill programs reduce our carbon footprint* and preserve resources.

80%

Scope 1 & 2
GHG emissions reduction¹

16

Mission to Zero
sites across three continents²

13

Zero Waste to Landfill
certified sites

2025 EY figures

¹ Emissions reduction compared to 2019 baseline

² Out of 25 manufacturing sites in total

³ Figures referring to in-scope revenues (ca 80% of total revenues)

Mission to Zero™

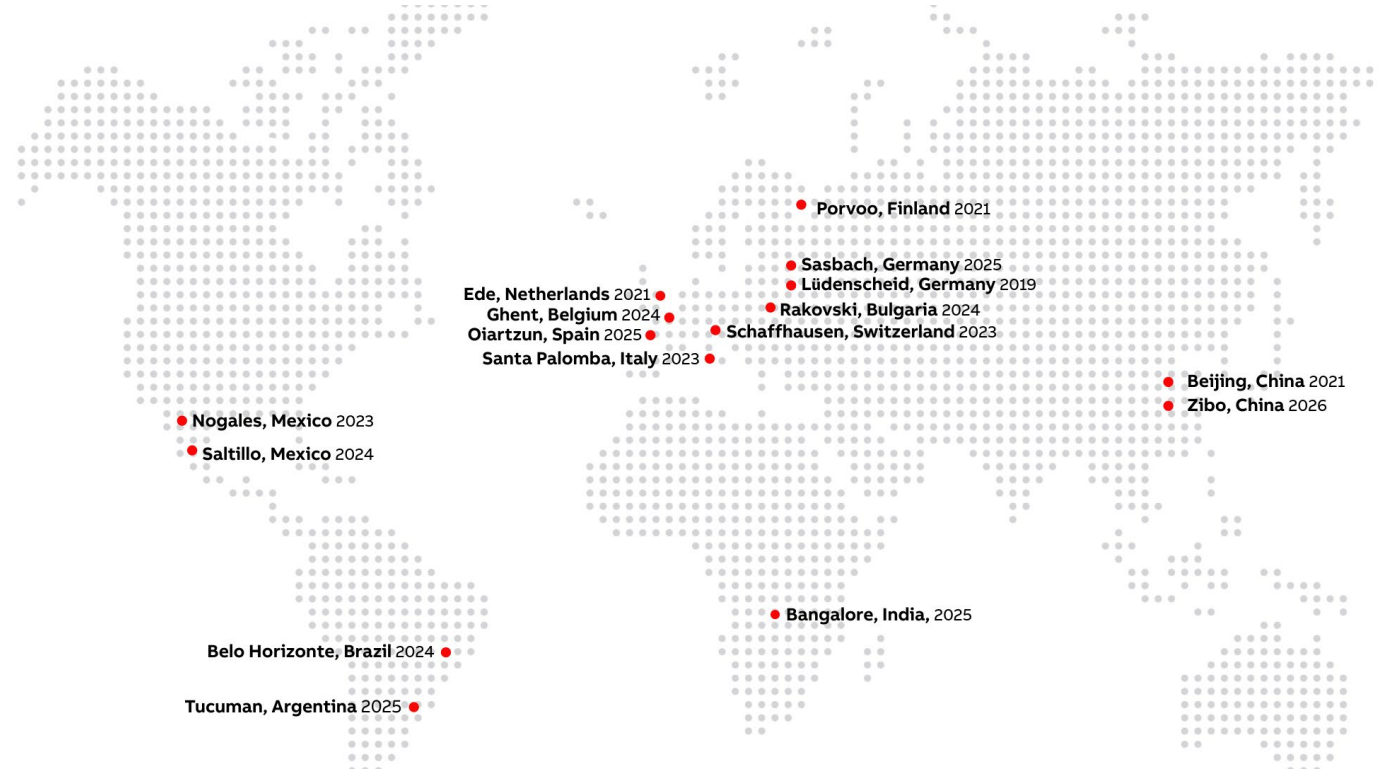
Where solutions come together for sustainable operations

We're on a Mission to Zero™ — a journey to reach net-zero emissions and more sustainable operations.

Bringing together technologies using ABB digital solutions and renewable energy, we're increasing efficiency and reducing emissions at our sites. ABB's Mission to Zero is powered by people passionate about sustainability and driving a more resource-efficient future.

In Smart Buildings we have 16 of our sites certified as Mission to Zero, with more coming soon. Our aim is to lead the way in sustainable operations and inspire customers and partners to do the same.

Find out more about the program [here](#).



CASE STUDIES

Examples of how we deliver for our customers



From office to showroom

Enhanced comfort and energy savings
at Hanza Tower, Poland

Challenge

- Create a comfortable, efficient workspace and live tech showroom
- Tackle heat, lighting, and energy use in a glass-heavy, device-rich office
- Maintain premium design aesthetics

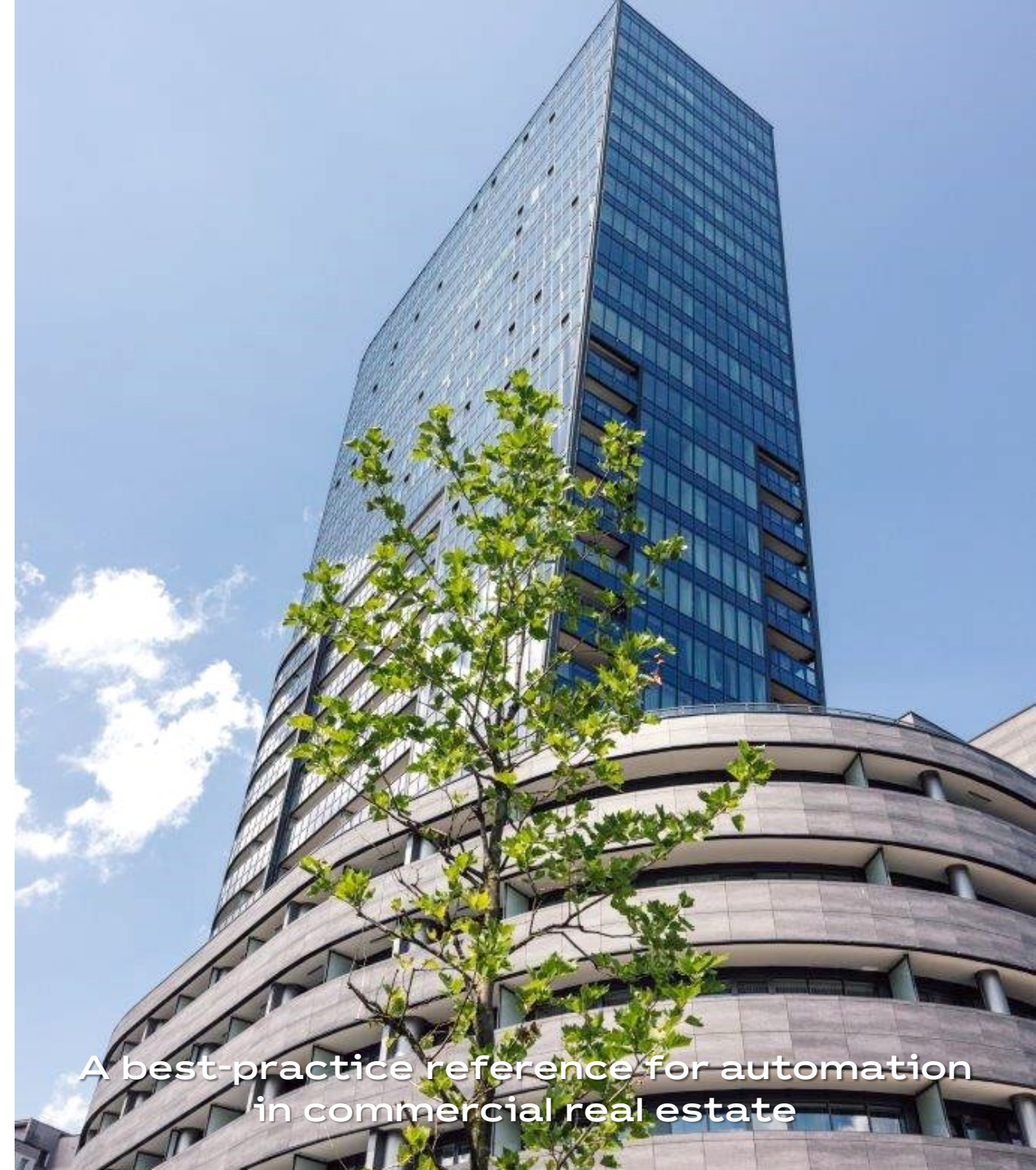
Solution

- ABB i-bus® KNX + DALI for smart control of lighting, climate, and curtains
- Touchscreens, sensors, ComfortLine cabinet as functional design features
- Installed with FUTYMA for a custom, scalable setup

Outcome

- Lower energy bills, better comfort, no manual adjustments needed
- Office doubles as a client-facing tech showcase
- Archive to standardize automation in future projects

ONLINE STORY



A best-practice reference for automation
in commercial real estate



Energy management for real estate

ABB and installer Verkerk optimize energy use and operational efficiency

Challenge

- Meet Dutch Energy Act 2023: Energy Label C for buildings >100 m²
- Needed real-time energy insights without disrupting operations

Solution

- ABB InSite system for real-time monitoring and automation
- Branch sensors + SCU100 for data collection
- Linked to “Humble” platform for energy + building insights
- Easy retrofit – install on existing cables, no downtime

Outcome

- Improved control, simplified compliance, lower energy use
- Scalable solution, tested in-house before rollout
- Supports future-proofing for energy transition

ONLINE STORY



Improved sustainability performance and operational efficiency



Views of the northern lights

KNX building automation takes care of glass igloos in demanding conditions

Challenge

- Deliver unforgettable guest experiences with uninterrupted aurora views
- Ensure reliable heating, comfort, and energy efficiency in extreme climates
- Provide scalable, easy-to-manage automation across multiple igloo sites

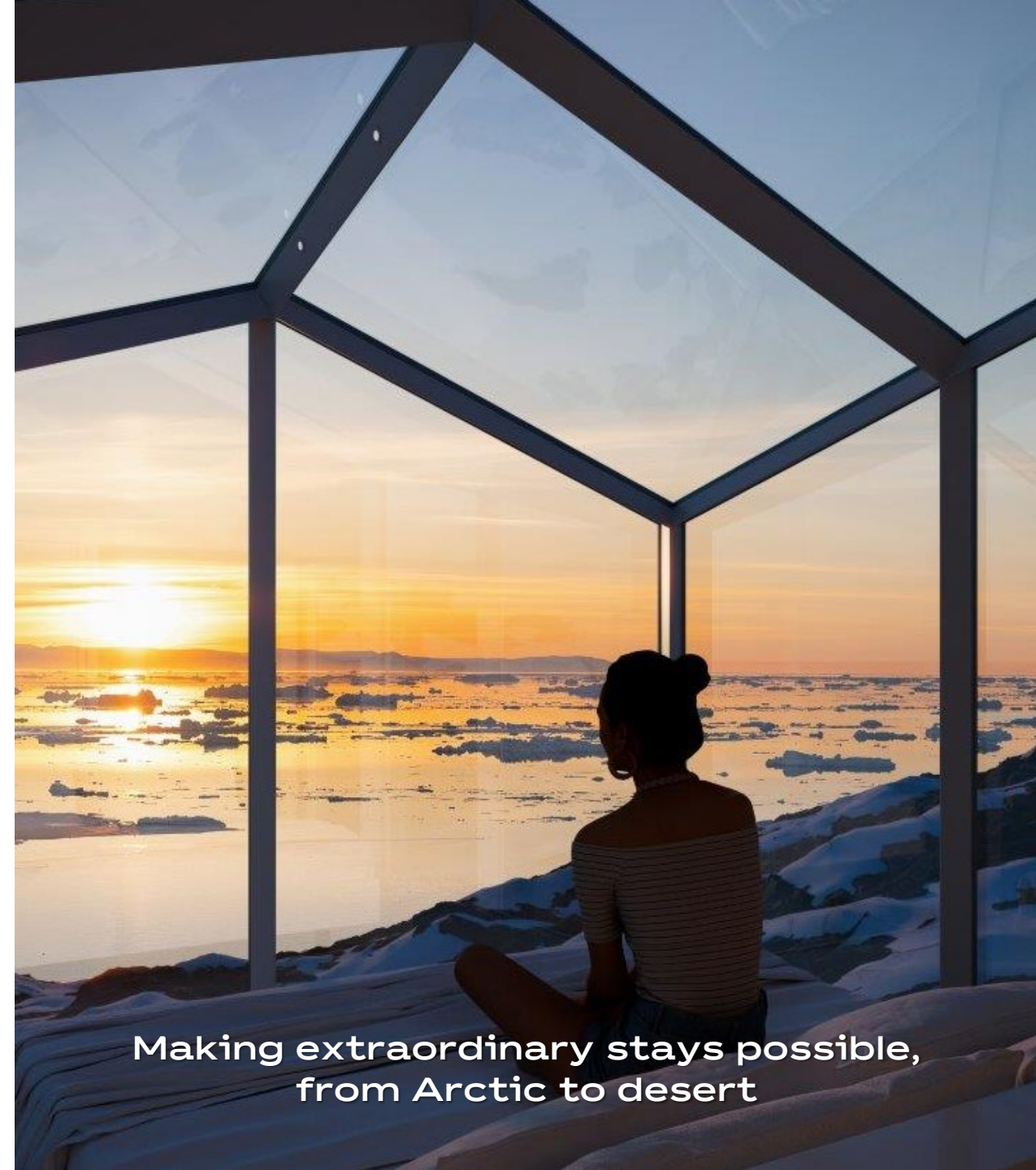
Solution

- ABB i-bus® KNX building automation for heating, ventilation, and glazing control
- Smart control of condensing heaters, underfloor heating, and glass surfaces
- Remote access, monitoring, and system management via app
- Custom dashboards for resource tracking and guest interaction

Outcome

- Guaranteed comfort and energy savings even in Arctic and desert conditions
- Reduced operational and maintenance costs through remote support
- Delivered unique, resilient, and scalable guest accommodations worldwide

ONLINE STORY



Making extraordinary stays possible,
from Arctic to desert



Elevating luxury ambience

KNX Building Automation at Panorama Landscape Hotel in Finland's Tahko Hills

Challenge

- Deliver a luxury, nature-inspired guest experience
- Ensure comfort and efficiency in tough winter conditions
- Needed smart control for indoor and outdoor environments

Solution

- ABB i-bus® KNX for full automation: lighting, HVAC, ventilation, snow melting
- Touchscreen controls for intuitive guest use
- System-wide integration across suites, spa, restaurant, offices
- Open interface allows multi-brand device compatibility
- Designed with electrical expert Pekka Aho for high-end delivery

Outcome

- Year-round comfort and operational reliability, even in snowstorms
- Guests enjoy a serene, high-tech experience
- A showcase for sustainable luxury and reference for future projects

ONLINE STORY



Achieved up to 40% energy savings
on key systems through automation



Sustainable luxury redefined

Smart automation elevates eco-friendly villas overlooking the Aegean Sea

Challenge

- Deliver eco-luxury villas with seamless comfort and control
- Support energy efficiency and sustainability in high-end coastal homes
- Needed a full smart building solution for 45 residences

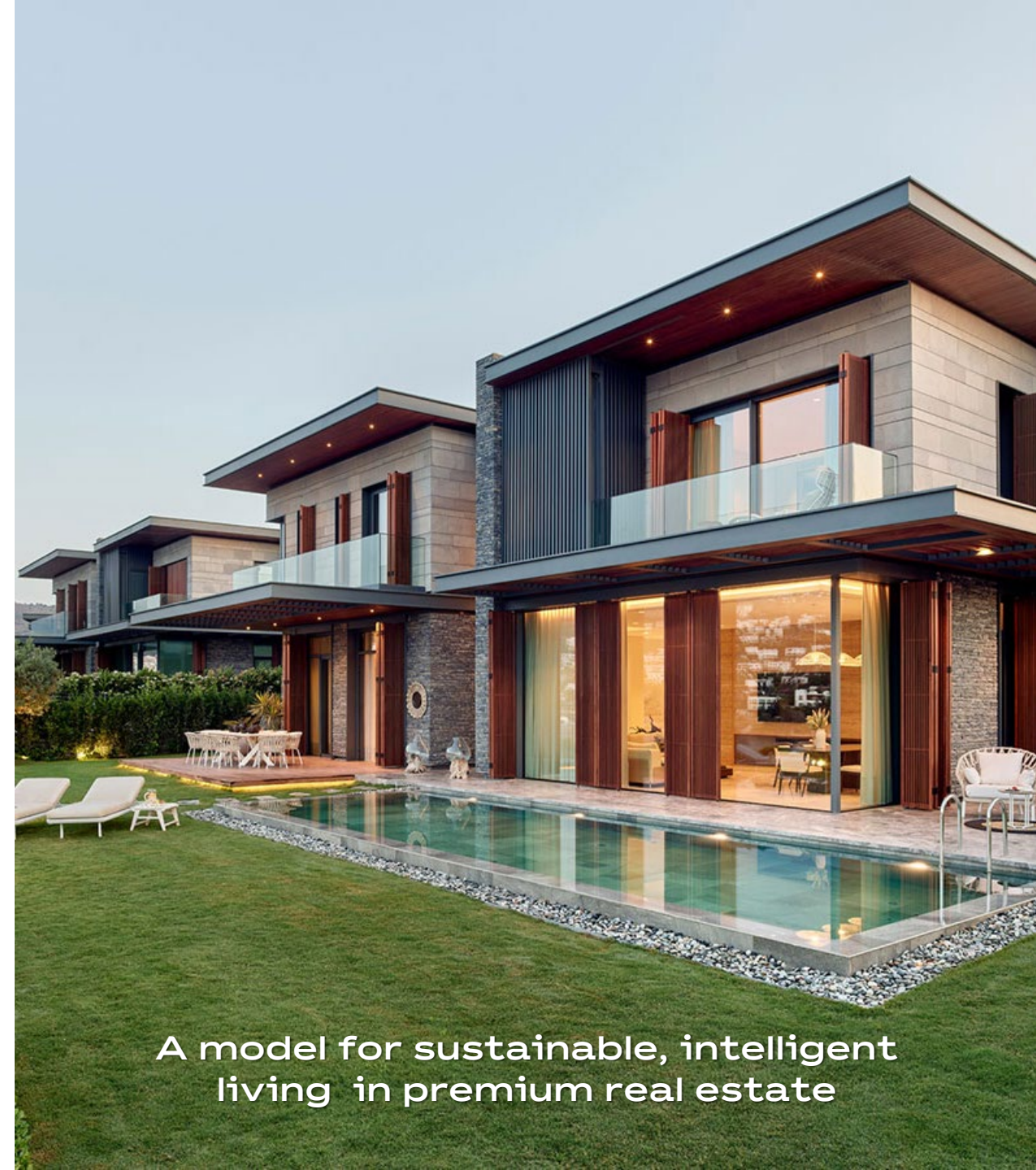
Solution

- ABB i-bus® KNX, Cylon® HVAC, and INTEGRA™ BMS for full automation
- Tacteo® sensors + DALI gateways for intuitive control and efficient lighting
- 14 energy analyzers to monitor electricity, gas, water, and heat
- Busch-axcent® switches ensure system stability
- Remote access and full scalability built in

Outcome

- Achieved up to 40% energy savings
- Delivered luxury comfort with smart, personalized control
- Enabled a peaceful, low-impact lifestyle in harmony with the landscape

ONLINE STORY



A model for sustainable, intelligent living in premium real estate



Energy-smart high-tech living

Sustainability and comfort are combined at Swedish Brobyholm community project

Challenge

- Develop a carbon-and-cost-neutral smart community
- Maximize use of renewable energy across 500+ homes
- Combine sustainability, cost-effectiveness, and resident comfort

Solution

- ABB-free@home® + Samsung SmartThings for seamless home energy and device control
- SMA photovoltaic systems + Cleanwatts virtual energy sharing for self-sufficient power
- ABB InSite energy management system to optimize energy flows, EV charging, and storage

Outcome

- Enabled residents to maximize self-generated renewable energy, lowering costs and CO₂
- Delivered safe, convenient, and sustainable living through an intuitive, unified platform

ONLINE STORY



Replicable blueprint for future energy-smart, people-centered communities



Creating a holistic approach to well-being

Advanced HVAC Building Automation with KNX ClimaEco at Vorum Health Center in Germany

Challenge

- Deliver an energy-efficient, modern health and therapy center
- Prioritize patient comfort alongside environmental responsibility
- Integrate holistic automation across fitness, rehab, therapy, and pool area

Solution

- ABB i-bus® KNX ClimaECO for integrated HVAC and room automation
- ABB Tenton® units for intuitive control of heating, lighting, and blinds
- KNX-based lighting, blind control, and future® linear switches
- EisBär SCADA V3 software for real-time building management

Outcome

- Achieved up to 30% energy savings, meeting Germany's GEG2024 standards
- Simplified system operation and maintenance with a unified KNX-based approach
- Delivered a sustainable, user-friendly environment enhancing well-being

ONLINE STORY



A holistic model for sustainable,
intelligent healthcare

ABB