



BIM WORLD MUNICH 2019

BIM@ABB

From your needs to ABB solutions

Emanuele Tosatti, ABB Electrification



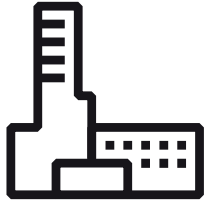


Why are we here?

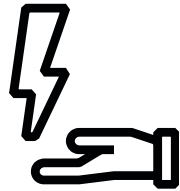
You're all wondering...

Why are we here?

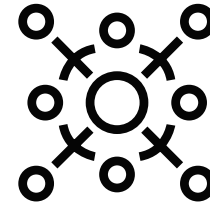
A hundred years love story



1883

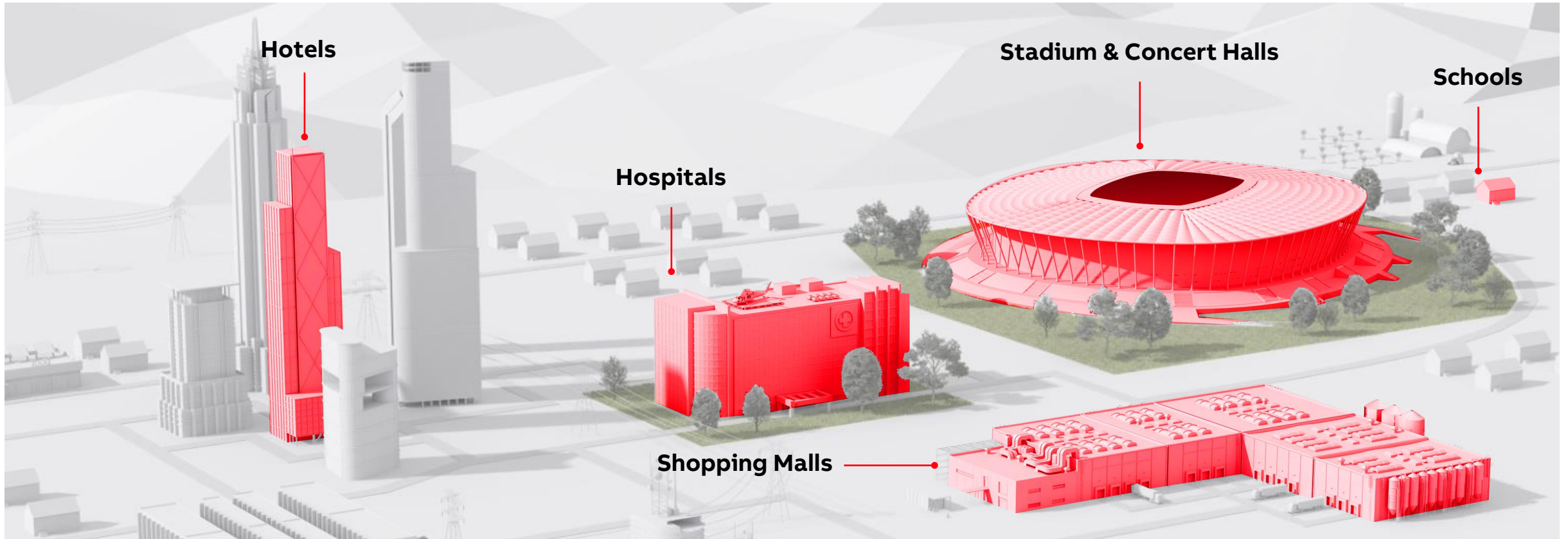


Electrification products
and building automation
solutions



From **power main**
distribution to your
home's socket outlet

Making our buildings better...



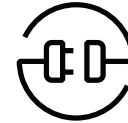
...with smarter buildings solutions!



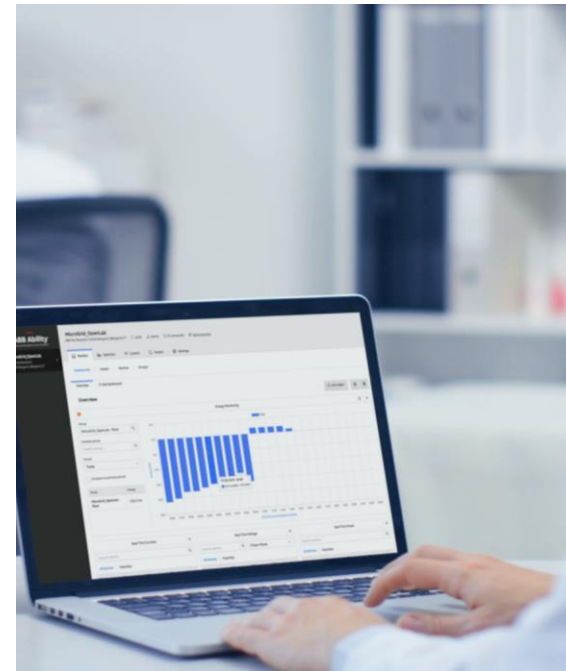
Security



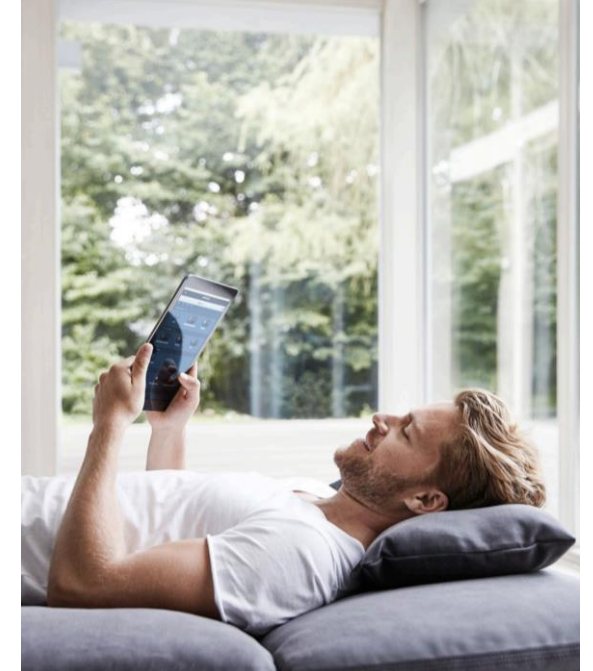
Safety



**Energy
Efficiency**



Comfort



Smarter buildings

Solutions, systems and possibilities to make buildings smarter



Security



Intrusion Alarm



Panic Scene



Access Control



Video Surveillance



Glass break Detection



Window Monitoring



Movement Detection



Presence Detection

Smarter buildings

Solutions, systems and possibilities to make buildings smarter



Safety



Line Protection



People Protection



Surge Protection



Arc Fault Protection



Energy Distribution



Smoke Detection



Flood Detection



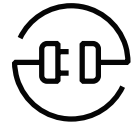
Overvoltage protection



Emergency lighting

Smarter buildings

Solutions, systems and possibilities to make buildings smarter



Energy Efficiency



Energy Management



Blind Control



Scenes
Everything-off function



**Heating Ventilation
& Air-conditioning**



**Metering, Energy and Power
monitoring**

Energy Distribution



Modular DIN-Rail



Enclosures

Switchgears, transformers

Connection devices

Solar & EV Charging

Drives

Smarter buildings

Solutions, systems and possibilities to make buildings smarter



Light Control



Blind Control



Door Communication



Comfort Scenes



**Heating, Ventilation
& Air-conditioning**



Wireless Internet access



USB Connection



Multimedia Technology



Philips Hue



Sonos

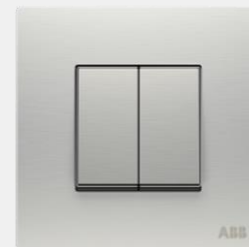


ABB solutions for smarter buildings

Design solutions to further enhance your home and building aesthetics, style and local taste



30 Design awards
in the last 4 years



The proof of **highest quality**
and acceptance of design experts

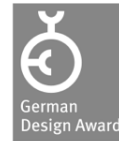
DESIGN
PLUS



interior
innovation
award



Focus Open
2009
Internationaler Designpreis
Baden-Württemberg



reddot award

—

Smart buildings for today and tomorrow

Smarter buildings: future trends

Energy efficient homes and buildings



Independent energy production

Installing **Solar panels** on the roof of the house or/and on the garage



Self consumption

- Buildings become **digital** with smart devices and **software systems**
- Robot vacuum cleaner, **EV cars**, laptops



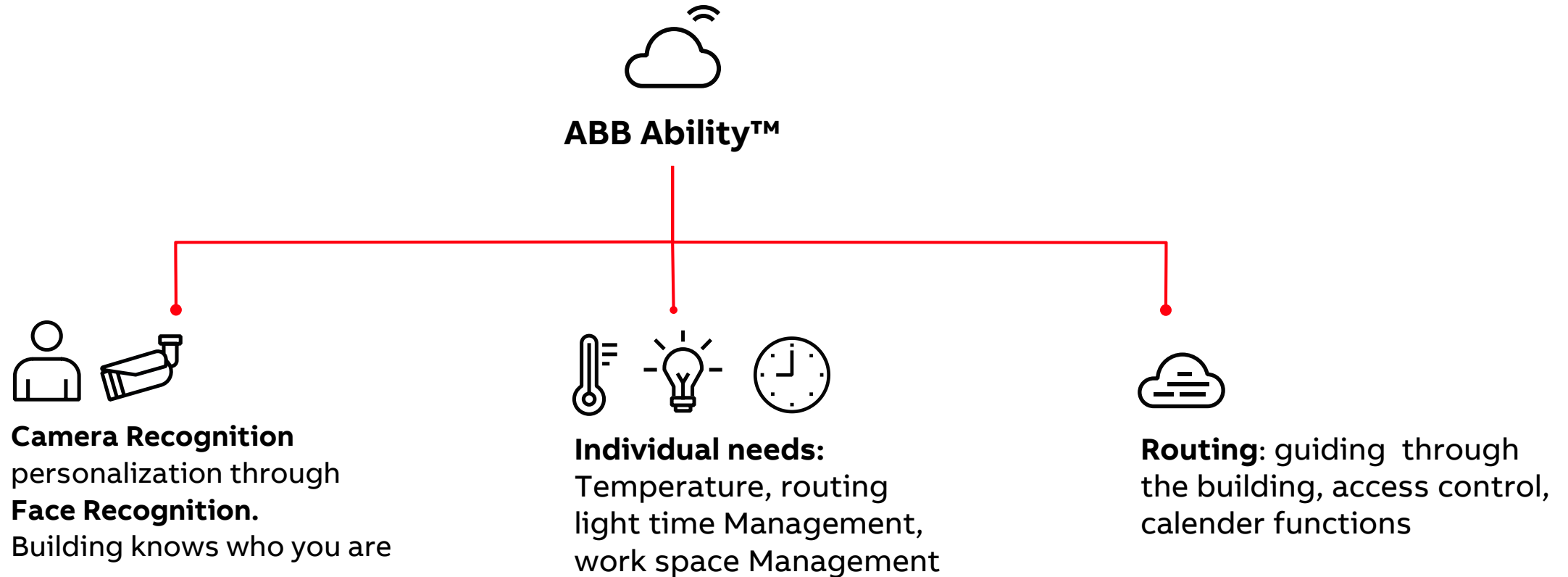
Energy Storage

- **Batteries** saving energy and feed the home as needed
- **EV cars** that are used as a battery and is connected to the energy usage of the home



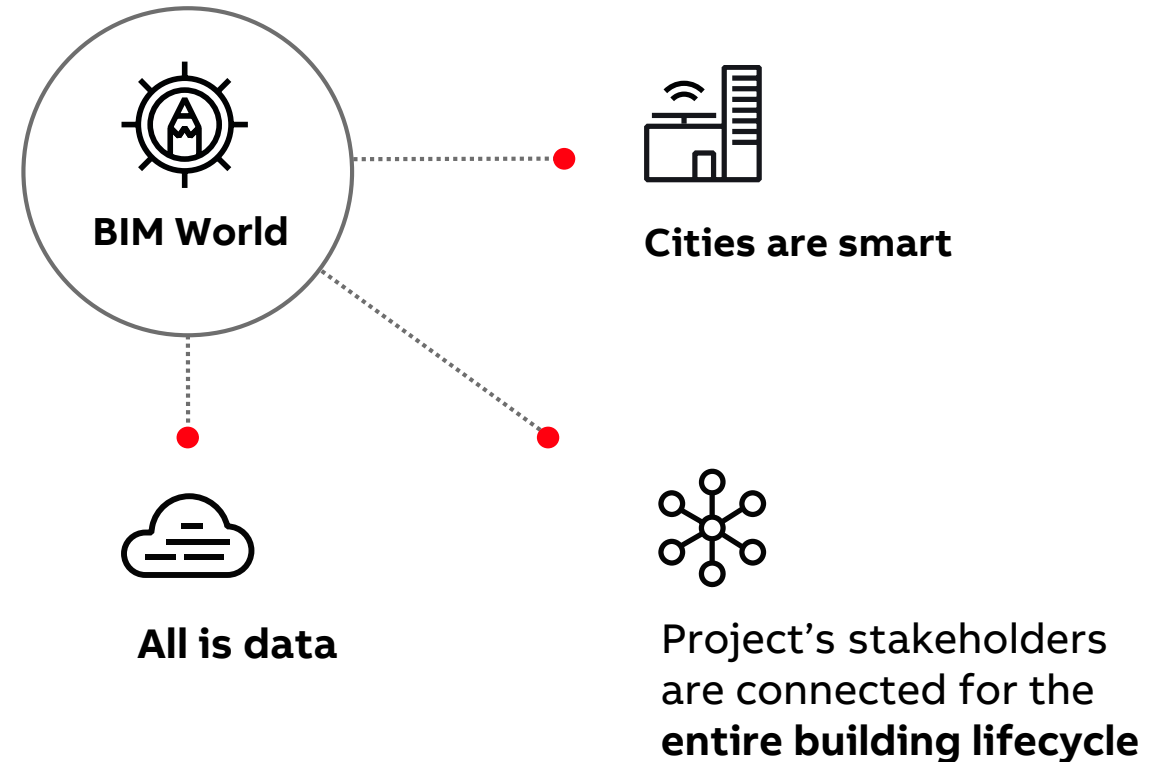
Smarter buildings: the benefits of digitalization

Future possibilities: high-security and comfort buildings



Building Information Modeling

In a BIM-ized world...



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**So...what do we do
at ABB for BIM?**

ABB solutions for BIM

Our offer



ABB for **BIM world**



Listen any different requests and **offer custom solutions**



ABB BIM experts support our customers, consultants, contractors, designers and facility managers



Provide BIM families and tools updated, high quality and compliant

ABB solutions for BIM

Electrification indicators

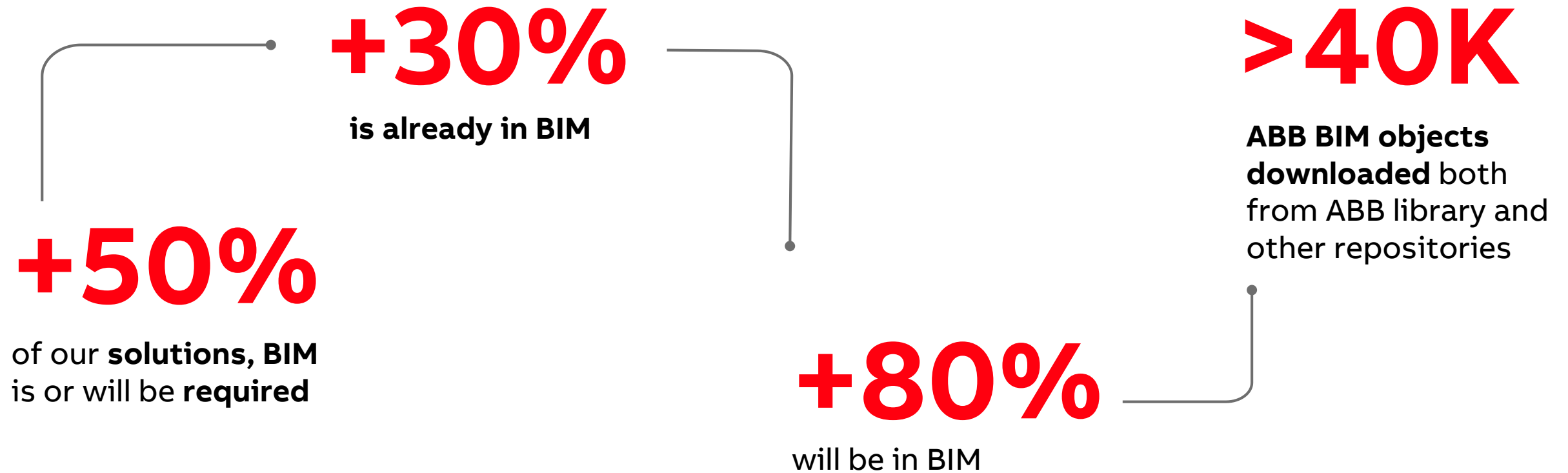


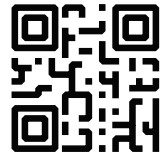
ABB solutions for BIM

Repositories

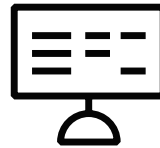




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