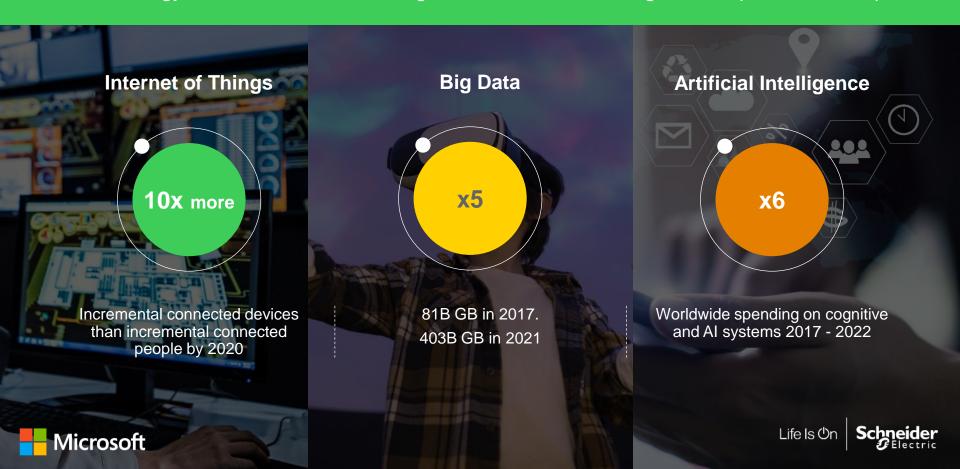


### The Present is Digital

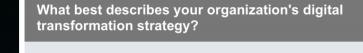
The technology revolution is transforming our world and occurring at an unprecedented speed



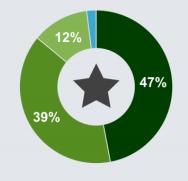
## Digital adoption is NOW

86%

of organizations have a full or limited digital transformation strategy



- Full strategy
- Limited strategy
- No strategy now; in the process of developing one
- No plans to develop strategy



Base: 253 global non-IT technology and business decision makers Source: A commissioned study conducted by Forrester Consulting on behalf of Microsoft, February 2017





# Schneider Electric leading the digital transformation of energy management and automation

Key figures for 2018

5% of revenues devoted to R&D

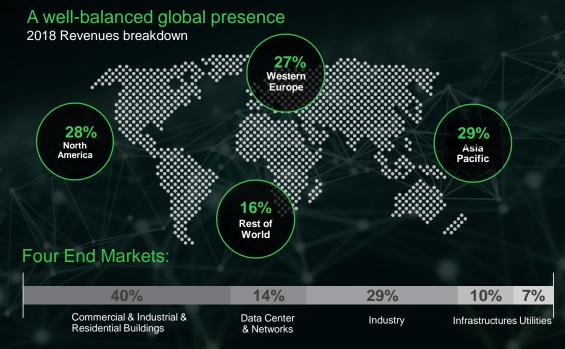
€26 billion

2018 revenues

42%

of revenues in new economies

**137,000+**Employees in over 100 countries



## Connecting deep domain expertise with ~20,000 application and software engineers



# Intelligent healthcare buildings: supporting improved patient outcomes, sustainability and operational efficiencies



### **Healthcare challenges & opportunities**



With the population aged 60+ expected to double by 2050<sup>1</sup>, the patient population will also surge



More than 50% of healthcare executives say patient satisfaction is a "top 5" concern<sup>3</sup>



Safety is paramount when lives are at stake. 33% of EHR disruptions are caused by a power outage



87% of healthcare organizations will have adopted IoT technology by 2020



### Hospitals need to become more connected...



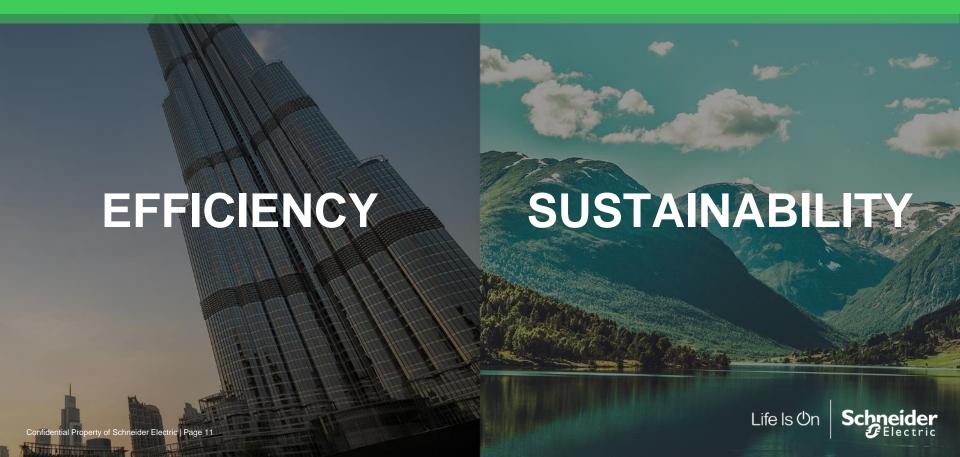
### ...and more sustainable



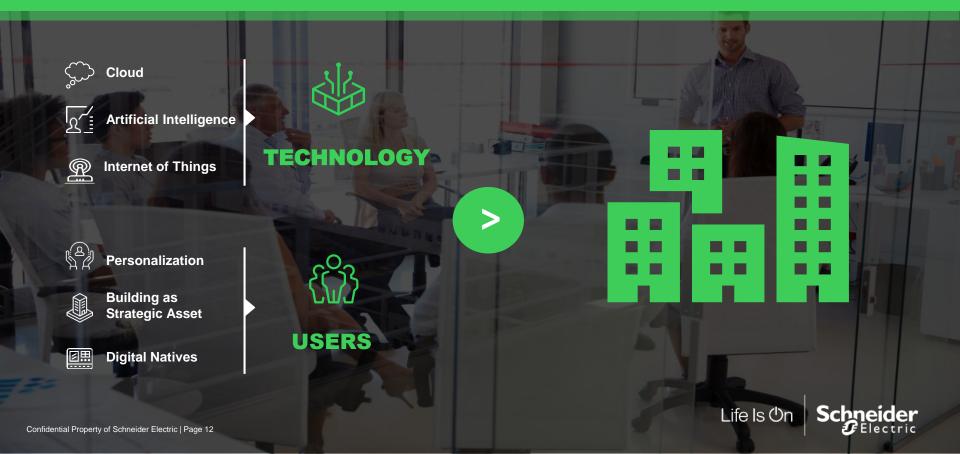
## Yet... healthcare building data remains in chaos



### Co-Innovating to meet your hospitals' operational priorities



# "Smart Healthcare" market is going through end-user led technology transformation



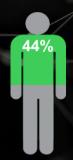
### Are healthcare organizations prepared?

85% of companies feel prepared for the new energy future.



We've got this!

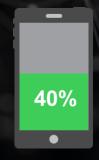
BUT..



44%

say that lack of coordinated planning between internal energy and sustainability teams is a barrier to achieving goals

**NOT INTEGRATED** 



of companies have a wholistic data (Energy & Sustainability) management strategy

**NOT CONNECTED** 

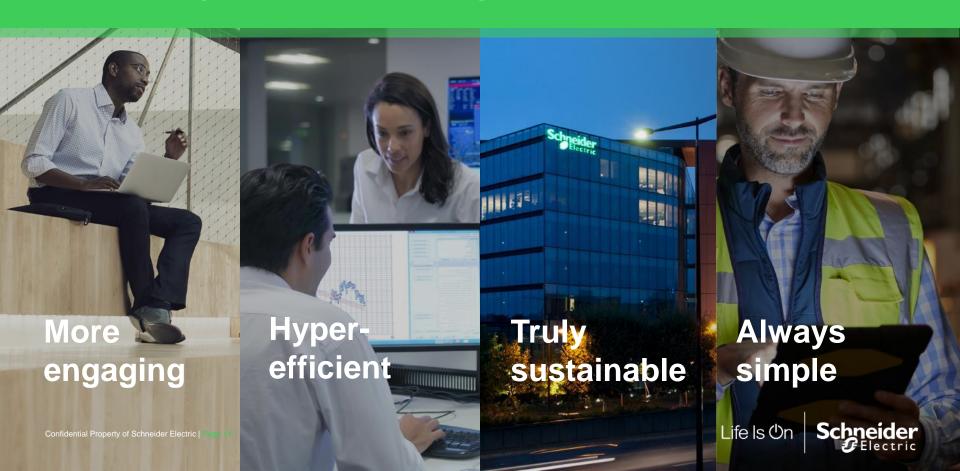


of companies are considering advanced systems like energy storage and demand response

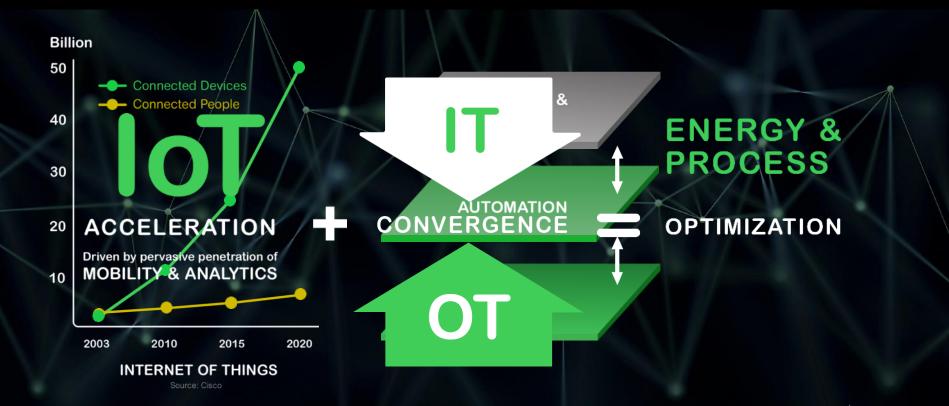
**NOT RESPONSIVE** 

Life Is On Schneider

### Reinventing healthcare buildings to be...



### Efficiency gains will come from IT/OT convergence

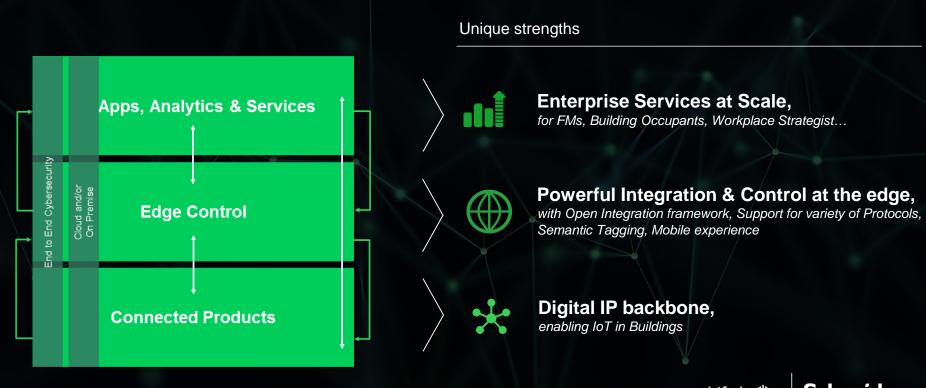


### Translating the data into meaningful insights

Context that drives business value



# **EcoStruxure<sup>™</sup> enabling** *The Open Innovation Platform for Healthcare Buildings...*



# Avoid business interruption, cut energy & maintenance costs and reduce patient complaints with EcoStruxure<sup>TM</sup> Advisors for Healthcare



Facility Manager

Patient safety is at stake when Power outage occurs e.g., in intensive care and operating theaters



Operational Efficiency

**Patient** 

Safety &

Reliability



E&S Manager

Patient & Employee Satisfaction 2,000€/h for MRI equipment when poor power quality affects current phasing

**4X more cost** to do emergency vs. Predictive maintenance (M€ impact)

Hospitals are #2 most energy intensive buildings

**#2 patient complaint** is linked to temperature too warm or too cold

#### EcoStruxure™ POWER Advisor



• 20% less downtime thanks to detection of high-risk electrical network and power quality issues

#### **EcoStruxure™ ASSET Advisor**



- 24/7 cloud & mobile asset health visibility
- Predictive maintenance analytics

#### EcoStruxure™ BUILDING Advisor



- 30% less patient complaints with automated diagnostic and early fault detection
- 80% remote issue resolution thanks to cloud based analytics
- 20% less energy cost from continuous building commissioning enabled by performance monitoring

#### **EcoStruxure™ RESOURCE Advisor**



 Provides a one-stop-shop for view energy data and documents, including utility contracts and invoices

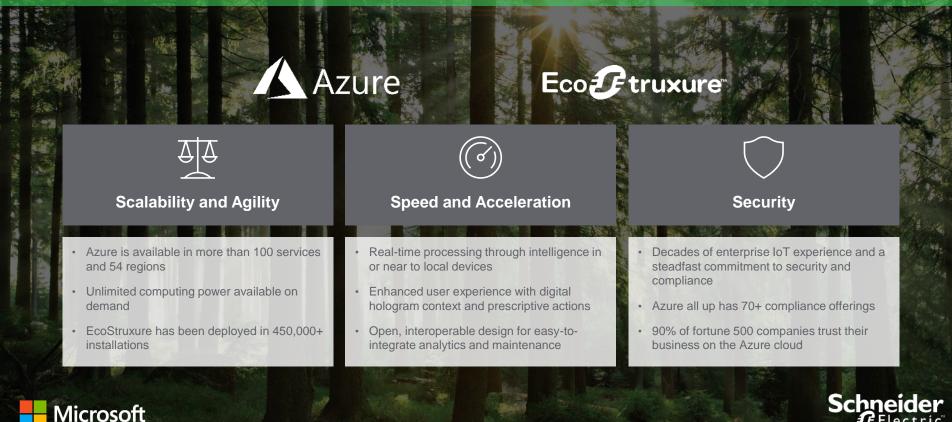
### Better together: a dynamic ecosystem to accelerate digital innovation

Optimizing our customer's business operations for over 30 years by harnessing our unified drive towards digital transformation and sustainability



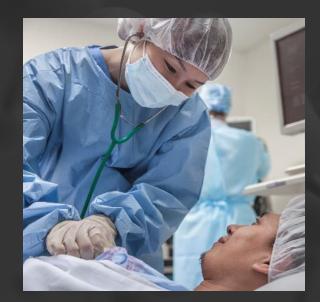
### Azure IoT + EcoStruxure<sup>TM</sup>

Scale your digital journey quickly and securely with open, flexible platforms that accelerate execution and reduce time to market by up to 80%



### World-class digital hospitals

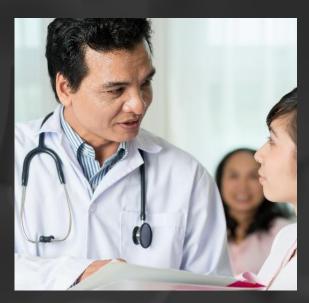
Need the right information to the right person, anytime, anywhere



Patient safety



Patient experience



Operational efficiency



### Prepare for the future

**Integrate** energy and sustainability strategy, **connect** assets, and **uncover**, **analyse** and **respond** to new opportunities





## Large Healthcare Region Southern Sweden



### The challenge:

 Visibility of building performance data & a missing link between capital investments and results

#### The approach:

- Collaborative, solution focused
- Building trust and ownership
- Start small, prove in operation, scale

#### The ambition in metrics:

- 16 months ROI
- Positive NPV & cashflow in year 2
- ROE requirement 4%
- Minimum 10% energy savings
- Minimum 10% reactive maintenance reduction

#### The next steps:

- Extend cloud based architecture across OT
- Connect missing equipment and systems
- Extend Building Advisor Cloud Analytics platform across all facilities in the region ~25+ buildings

Life Is On



