



INNOVATION

APC by Schneider Electric – The Year of The EDGE

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Life Is On

Schneider
Electric



Our technologies ensure that
everywhere, for everyone and at every moment.

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Life is on when it is...

POWERED

X2

worldwide power capacity by 2040
(BNEF, 2017)

+80%

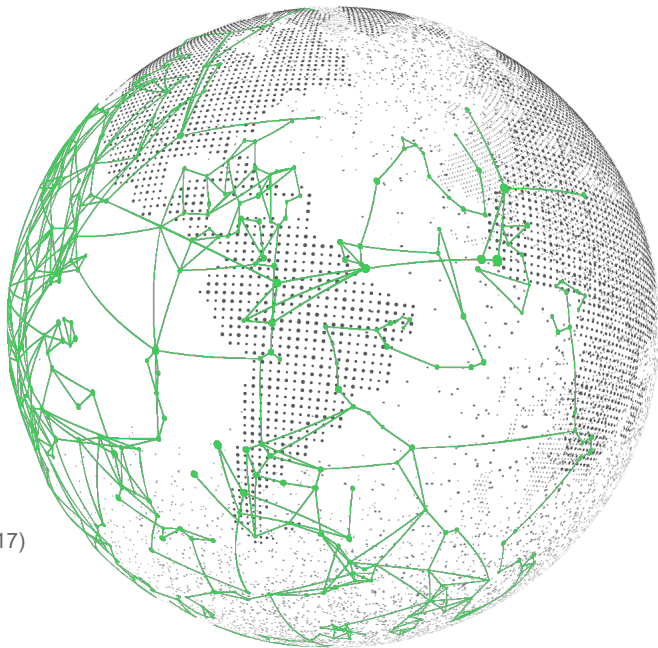
new capacity additions in renewables
by 2040 (BNEF, 2017)

Power leads

global investment in electricity overtook
Oil & Gas for the first time in 2016 (IEA 2017)

30%

of vehicle stock running electric
by 2040 (BNEF)



DIGITAL

10X more

incremental connected devices than
incremental connected people by 2020
(IHS, March 2016; UN population stats)

+25%

CAGR YoY growth of IP traffic

+40%

productivity by 2035 thanks to new
automation techniques (EPSC 2018)

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

Key figures for 2018

5%

of revenues devoted to R&D

€26 bn

2018 revenues

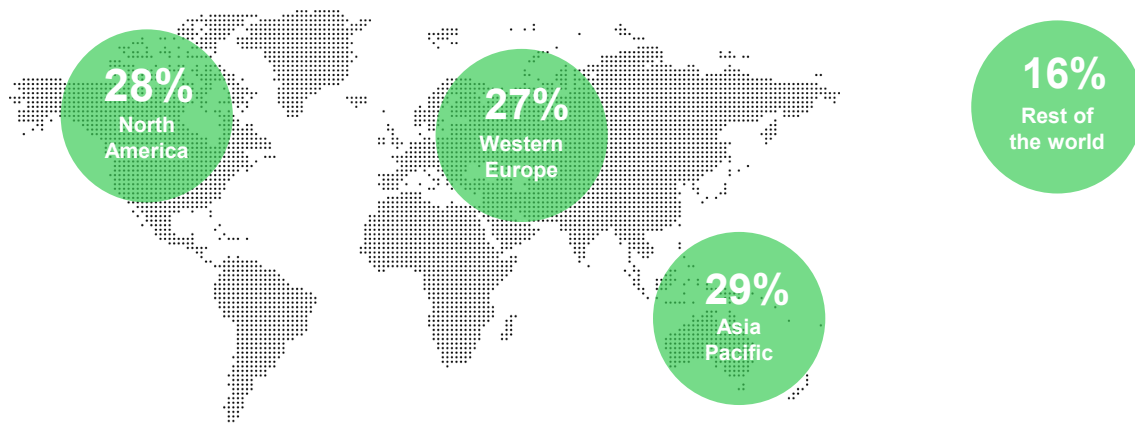
42%

of revenues in new economies

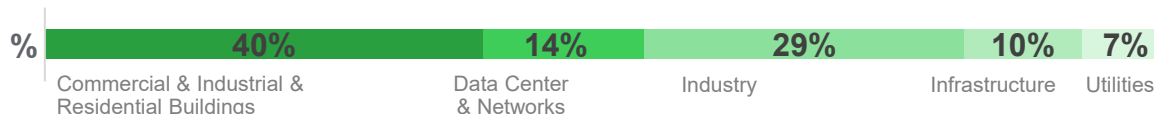
137,000+

employees in over 100 countries

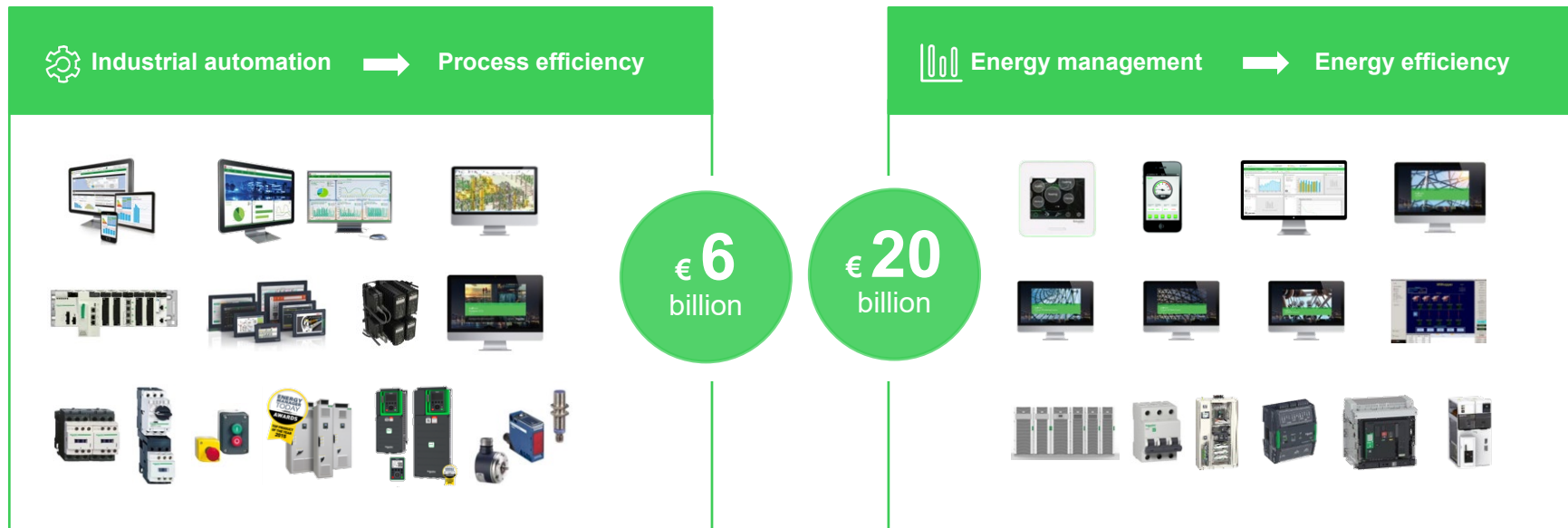
A well-balanced global presence (2018 revenues breakdown)



Four end markets:



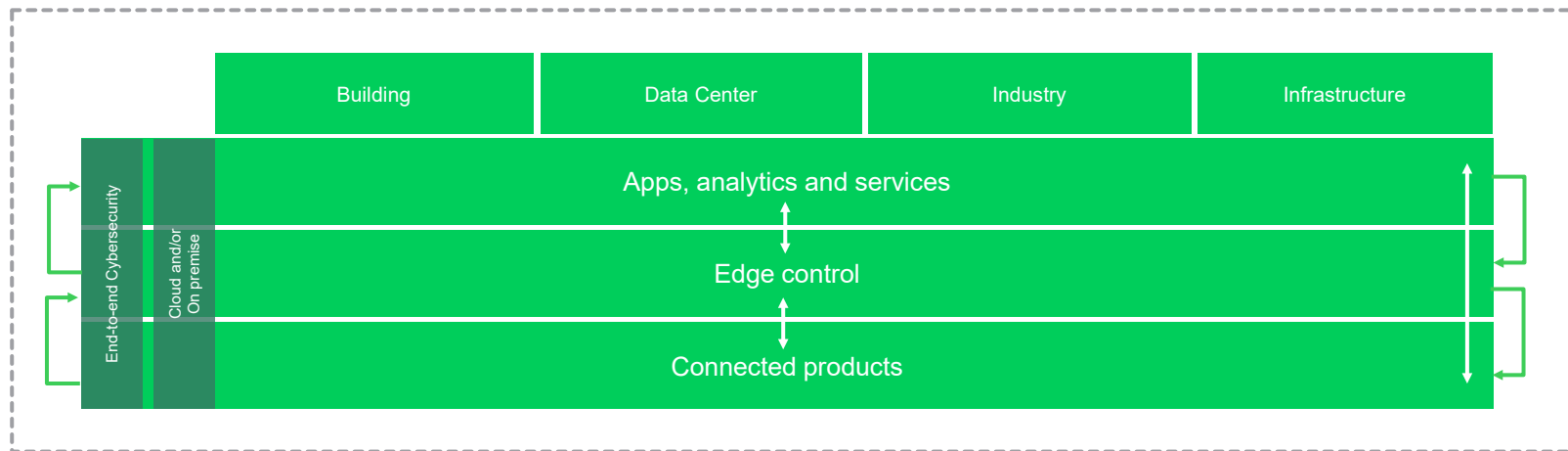
Our technologies enable the digital transformation of industrial automation and energy management



A portfolio of integrated digital solutions designed to increase customer efficiency

EcoStruxure™

Innovation At Every Level



EcoStruxure
Building

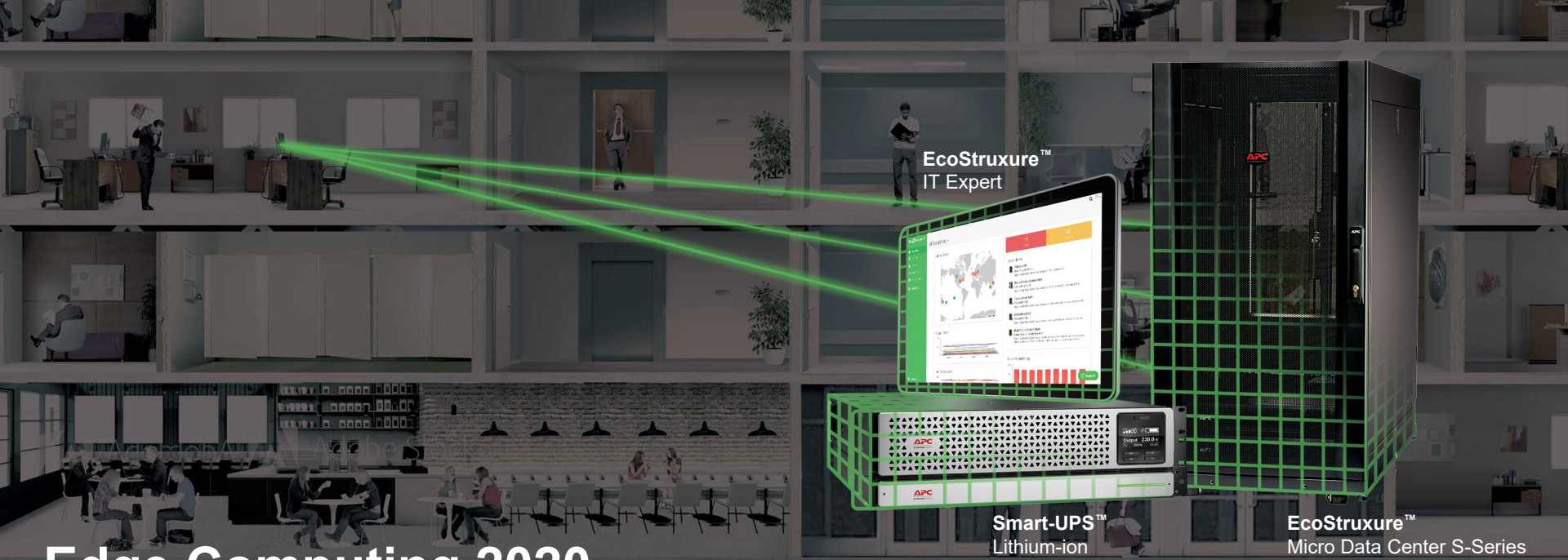
EcoStruxure
Power

EcoStruxure
IT

EcoStruxure
Machine

EcoStruxure
Plant

EcoStruxure
Grid



Edge Computing 2020

Edge Computing



Defining Edge Computing

Edge Computing

The edge is where things and people connect with the networked digital world.

Edge computing is a part of a distributed computing topology that has depth and where information processing is located close to the edge.

Processing can take place at any or all of the layers between the cloud (or central enterprise data center) and the edge.

— Source: Gartner – “The Future Shape of Edge Computing: Five Imperative, 28 June 2018”

It's Real and It's happening!!!

Internet of THINGS

75.4B

connected things by
2025

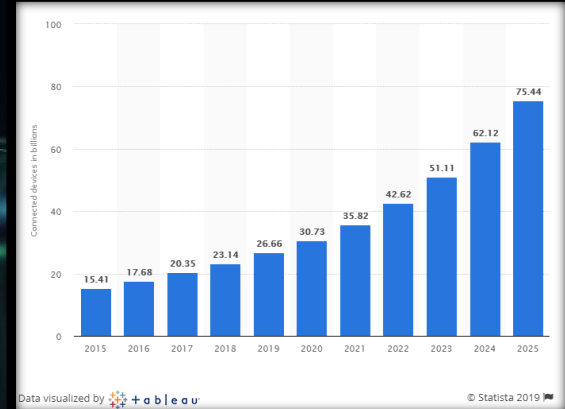
Source: Gartner, 2016

Edge COMPUTING

75%

By 2025, 75%
of enterprise data is
expected to be
created and processed
at **the Edge**. (Gartner)

Source: IDC WW IoT Predictions



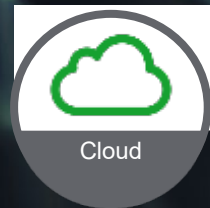
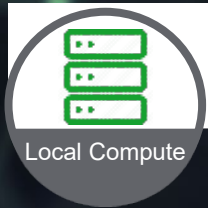
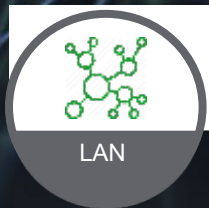
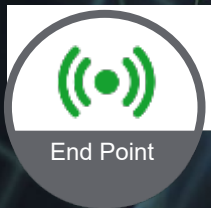
Certainty in a connected future

Semi Conductor Market
Growing at 15.3% CAGR
through 2025 and...
...processing power
doubling every 2 years

Where there is compute
there is a need for to
provide a combination of
power, networking, and
security

“Leveraging digital
technologies is more than just
good business—it’s crucial to
staying relevant and
profitable”

a three part equation that will result in end to end compute architectures



Edge Compute Components



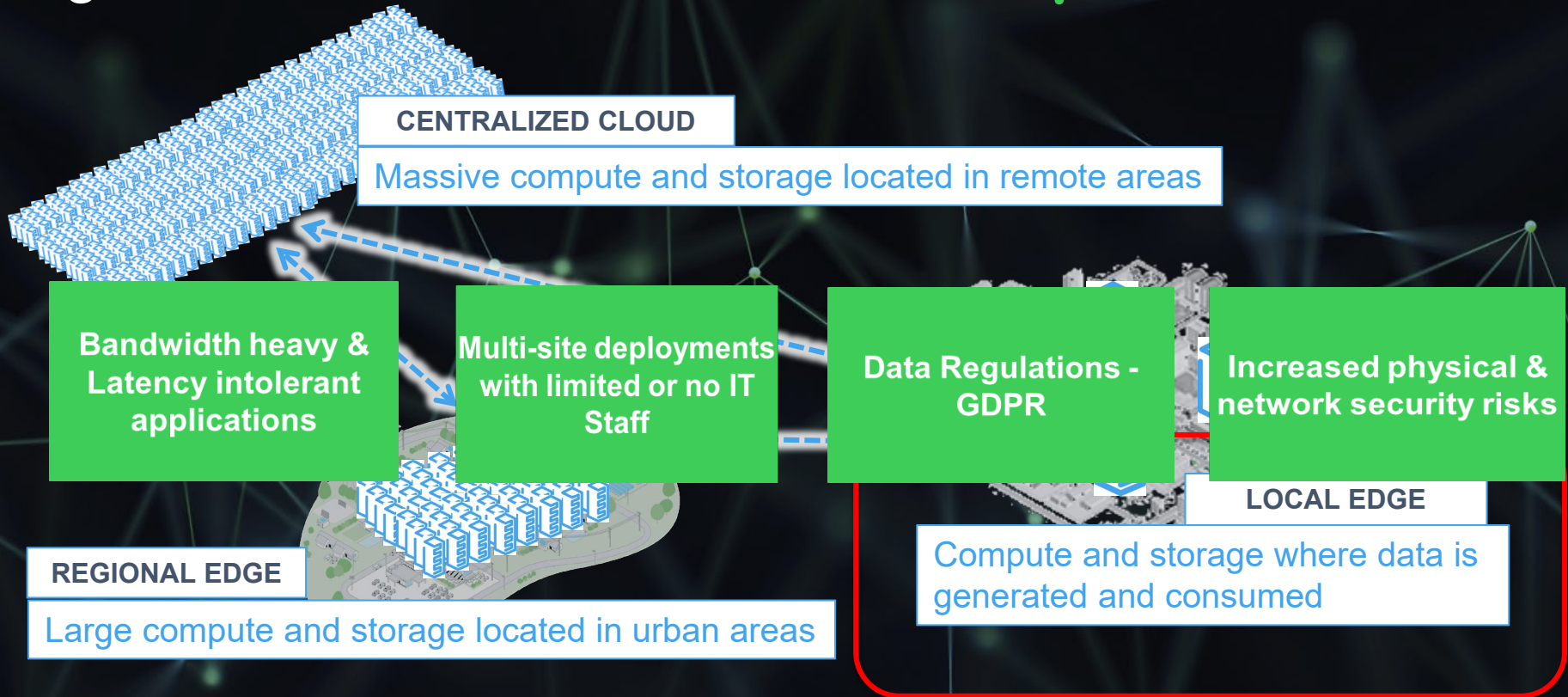
PERFORMANCE

The Year of The EDGE

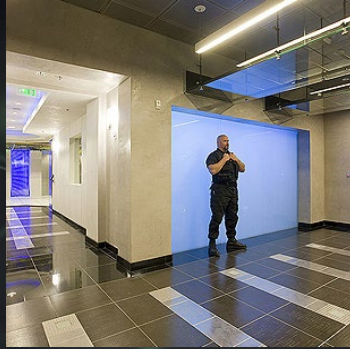
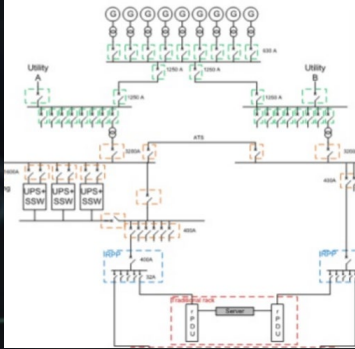
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Larger demand for data in **smaller IT spaces**



Best Practices that are being followed on **Data Centers**...



✓ Redundancy ✓ Monitoring ✓ Staffed ✓ Organized ✓ Security

... Must be followed in **smaller Computer Rooms**



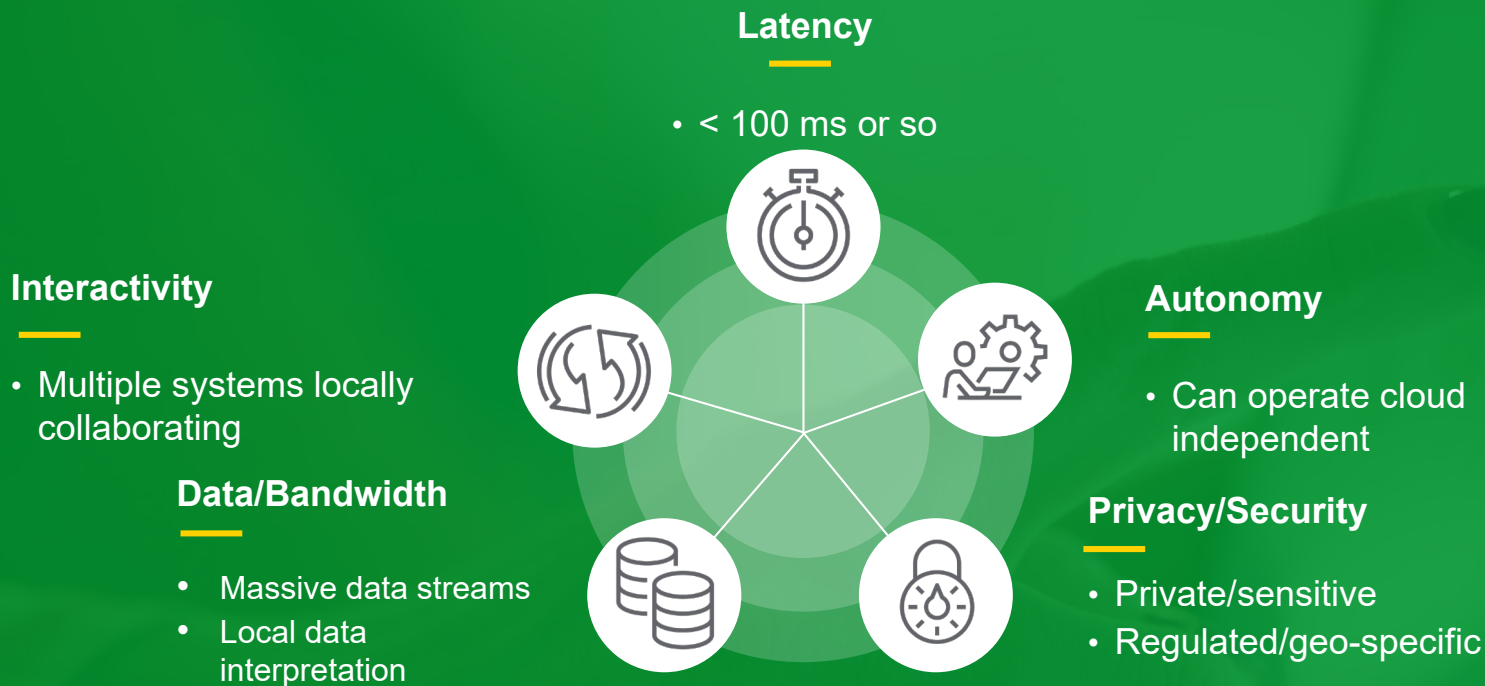
IoT & Data
Aggregation

On-Premise "Edge" Cloud
(Compute, Storage, Networking)
+
Micro Datacenter

Analytics,
Storage &
Monitoring

What's driving customers to the edge?

Five Business Issues Driving Compute to the Edge



Source: Gartner – “The Future Shape of Edge Computing: Five Imperative, 28 June 2018”

Practical Examples of Edge Computing

Yesterday

Tomorrow

Warehouse with forklifts

Warehouse with robots

Grocery store with a cashier

Grocery store with self-checkout

Surgery with a doctor

Robotics surgery with remote diagnostics

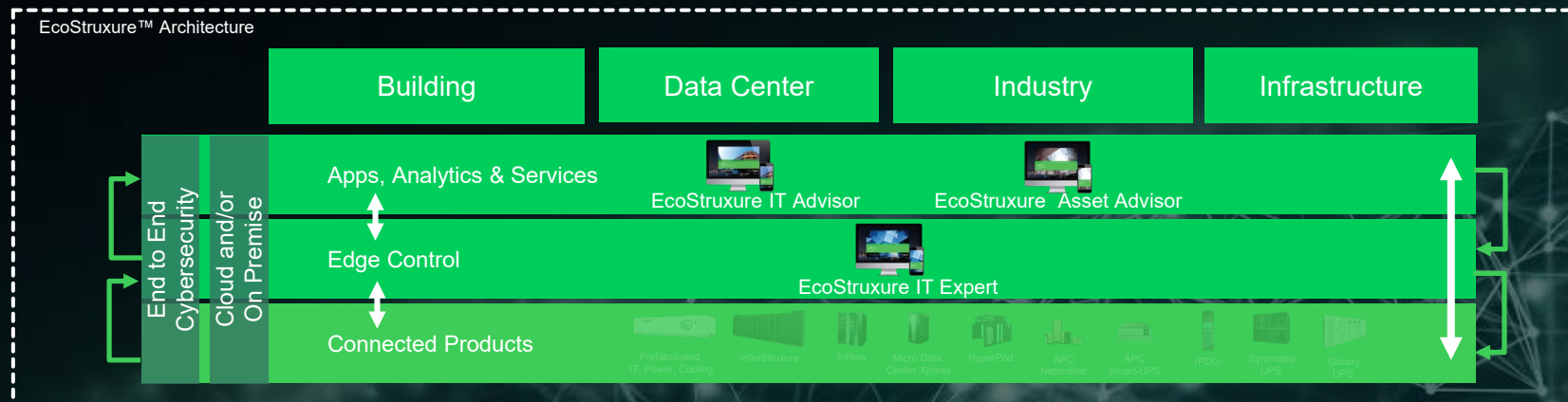
Human Intensive
Yesterday



IT Intensive
Tomorrow



EcoStruxure IT Software & Services



**EcoStruxure
Building**

**EcoStruxure
Power**

**EcoStruxure
IT**

**EcoStruxure
Machine**

**EcoStruxure
Plant**

**EcoStruxure
Grid**

EcoStruxure IT...

...simplifies local edge and distributed IT monitoring with EcoStruxure IT Expert



Centralized
monitoring



Vendor
agnostic



Benchmarking



Assessments



Alarm
consolidation



Data remains secure and private
at every step of the user journey



CONNECTED

Success Stories

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