



Eco²truxure™
Innovation At Every Level

Thrive in today's digital economy

Life Is On

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Electric

"Connectivity redefines everything, and we have believed in its transformative power for decades. Fifty years ago, we integrated intelligence in machines and automated industrial processes, revolutionizing manufacturing. Twenty years ago, we introduced Open Protocol Ethernet on factory floors — a disruptive move by a group of our forward-thinking engineering mavericks. Today, our EcoStruxure architecture delivers on the real promise of the Internet of Things: connectivity that turns data into operational and energy efficiency across all levels of an enterprise."

—Jean-Pascal Tricoire, CEO

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An aerial photograph of a city at dusk. The sky is a mix of dark blues and oranges from the setting sun. In the foreground, a large outdoor market is bustling with activity, featuring numerous colorful umbrellas in shades of red, blue, yellow, and green. The city buildings in the background are lit up, with some windows glowing. The overall scene conveys a sense of vibrant, continuous life in an urban environment.

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

Schneider Electric makes life safe, reliable,
efficient, sustainable, and connected.
Life Is On™ when life is ...

ENERGIZED

+50%

energy consumption by 2050 due to urbanization, industrialization, and digitization¹

2x

faster growth of electricity compared to energy demand by 2040²

2.3B

people do not have either access or reliable access to electricity³

EFFICIENT

3x

efficiency needed to solve climate change⁴

82%

of the economic potential of energy efficiency in buildings⁵

+50%

of untapped energy potential efficiency in industry⁵

CONNECTED

10x

more incremental connected devices than people by 2020⁶

30B

connected things by 2020⁶

EVERYTHING RUNS ON SOFTWARE

¹ IEA, *WEO 2014, 2015, New Policies Scenario*. ² IEA, *World Energy Outlook 2014*. ³ IEA, *World Energy Outlook 2012*, internal analysis.

⁴ Intergovernmental Panel on Climate Change (IPCC), IEA 2014, 2015, Schneider Internal Analysis.

⁵ *World Energy Outlook 2012*, OECD / IEA, Internal Analysis. ⁶ Cisco, *Internet World Statistics*

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Connectivity that drives
business value

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We have an opportunity to co-create the future as the new energy world becomes ...

MORE ELECTRIC

2x

faster growth of electricity compared to energy demand by 2040¹

MORE DIGITIZED

10x

more incremental connected devices than people by 2020²

MORE DECARBONIZED

79%

untapped energy efficiency potential in infrastructure and more than half in industry³

MORE DECENTRALIZED

70%

of new capacity additions will be in renewables by 2040⁴

¹ IEA, *World Energy Outlook 2014*

² Cisco, *Internet World Statistics*

³ IEA, *World Energy Outlook 2012*, Internal Analysis

⁴ Bloomberg New Energy Finance

Five IoT trends

By its definition, the Internet of Things (IoT) is simply the inter-networking of physical devices to collect and exchange data via internet protocol (IP). The true power and applicable value of IoT emerges when it is connected with five major technology transformations — ones that are accelerating our capacity to converge OT and IT systems:



MOBILITY



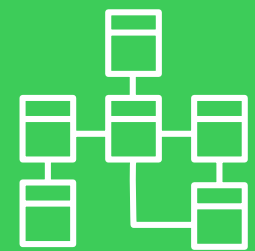
CLOUD



SENSING



ANALYTICS



CYBER SECURITY

What is EcoStruxure?

 APPS, ANALYTICS, SERVICES

 EDGE CONTROL

 CONNECTED PRODUCTS



EcoStruxure™

Innovation At Every Level

IoT-enabled solutions that drive operational and energy efficiency

EcoStruxure™ architecture and interoperable technology platform brings together energy, automation, and software. It provides enhanced value around safety, reliability, efficiency, sustainability, and connectivity.

In turn, this advancement opens up the digital world to users across key end markets, enabling them to be competitive in today's IoT economy.

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EcoStruxure
for Building

EcoStruxure
for Industry

EcoStruxure
for Grid

EcoStruxure
for Data Center

How can you benefit from
EcoStruxure?



EcoStruxure serves four end markets, with six architectures across three levels of innovation.

A versatile architecture

EcoStruxure is tailored to end markets in which Schneider Electric has decades of deep domain expertise and applied experience: building, data center, industry, and grid.

Three levels of innovation — connected products; edge control; and apps, analytics & services — help drive full IoT integration across these markets. Customers can integrate solutions on premise and/or in the cloud. Each level has built-in cyber security to assure peace of mind across the digital landscape.

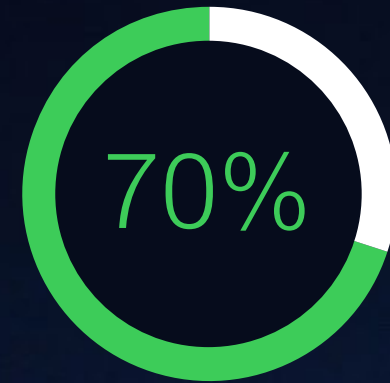
Specialized communities of developers

Our communities of developers, data scientists, and hardware and service partners are creating and/or co-creating solutions and applications that you can use in any combination of the innovation levels.

EcoStruxure™

Innovation At Every Level

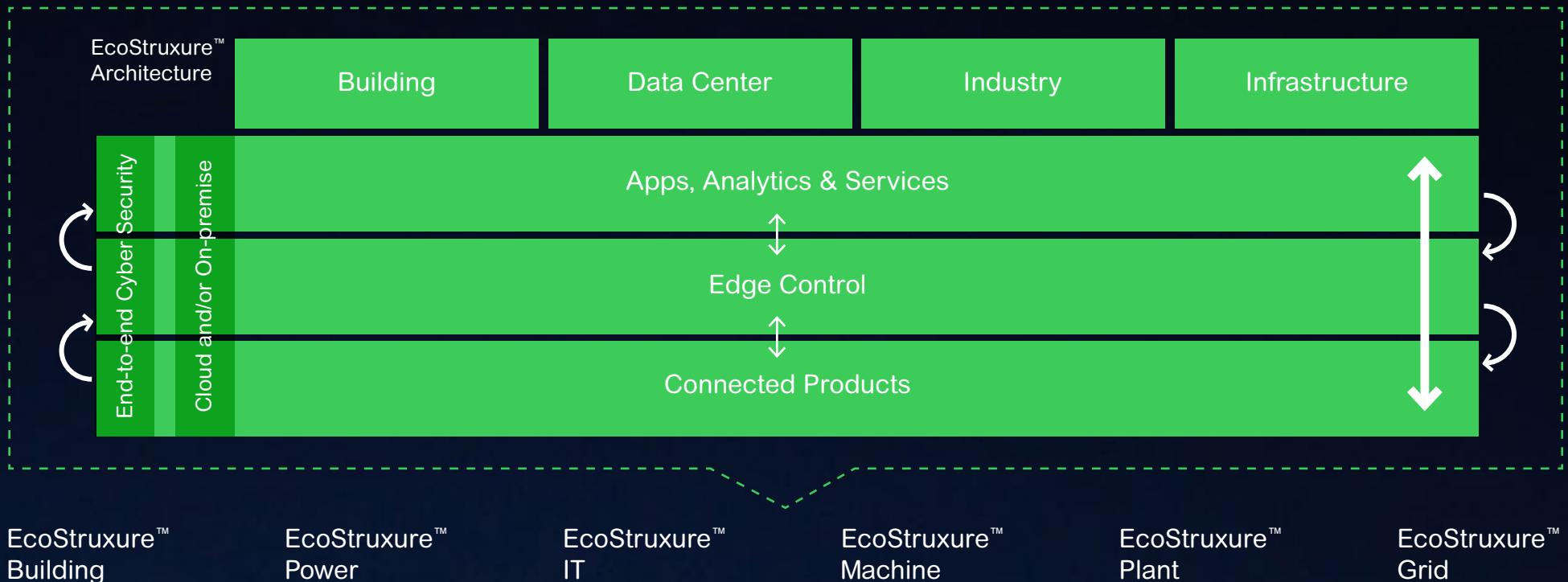
From sensors to services, our Innovation At Every Level approach improves energy and operational efficiency by tapping the true business value of IoT advancements. We've made mobility, sensing, cloud, analytics, and cyber security technologies meaningful to customers, helping them compete in our IoT economy.



of decision-makers
see the business
value of IoT*

**Schneider Electric IoT 2020
Business Report*

One EcoStruxure architecture, serving four end markets, with six domains of expertise



Connected Products:

The Internet of Things starts with the *best things*. Our IoT-enabled best-in-class connected products include breakers, drives, UPSs, relays, sensors, and more. Devices with embedded intelligence drive better decision-making throughout operations.

Edge Control:

Mission-critical scenarios can be unpredictable, so control of devices at the edge of the IoT network is a must. This essential capability provides real-time solutions that enable local control at the edge, protecting safety and uptime.

Applications, Analytics & Services:

Interoperability is imperative to supporting the diverse hardware and systems in building, data center, industry, and grid end markets. EcoStruxure enables a breadth of agnostic applications, analytics & services for seamless enterprise integration.

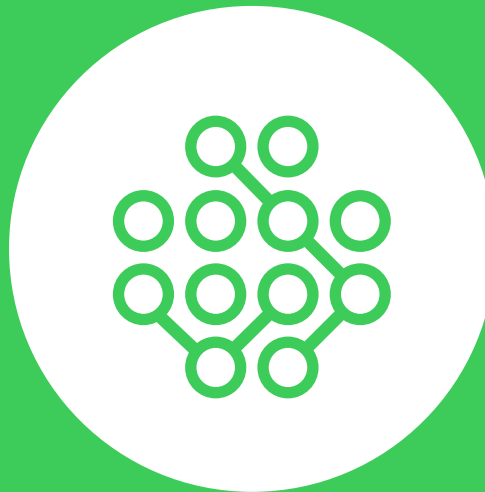
The EcoStruxure platform

The EcoStruxure platform is the technology backbone of our EcoStruxure architecture. It provides a fundamental set of technology capabilities that allow us to connect the three layers of innovation in IoT-enabled solutions, bridging the IT/OT gap.

The EcoStruxure technology platform enables scalable design and operation of connected systems with best-in-class cyber security built around three core capabilities:



Core technologies for embedded connectivity and intelligence



Interoperable building blocks for smart operations



Infrastructure for cloud-connected digital services

Turn data into action

There is a common thread across all of the EcoStruxure platform's technology capabilities. By bridging IT and OT, EcoStruxure lets customers maximize the value of data. Specifically, it helps them translate data into actionable intelligence and better business decisions.

By bringing together the worlds of energy, automation, and software, EcoStruxure makes the strategic promise of IoT a reality today.

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CONNECT



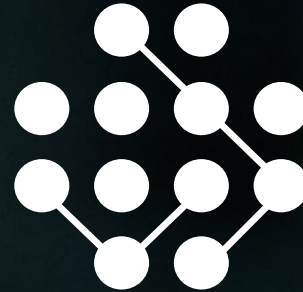
Connect everything from shop floor to top floor.

COLLECT



Capture critical data at every level, from sensor to cloud.

ANALYZE

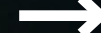
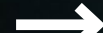


Convert data into meaningful analytics.

TAKE ACTION



Drive action through real-time information and business logic.




CLOSE THE LOOP

What is the value
of EcoStruxure?



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EcoStruxure enables Schneider Electric, our partners, and end-user customers to develop scalable and converged IT/OT solutions that:

Maximize energy efficiency and sustainability through smarter systems and real-time, data-driven decisions.

Optimize asset availability and performance through predictive analytics and proactive maintenance.

Enable smart, productive, and profitable operations through reduction of waste and downtime.

Provide mobile insight and proactive risk-mitigation through simulation, situational awareness, and digitization.

Foster open innovation and interoperability through development and partnerships with leading standards organizations and best-in-class technology leaders.

450,000

EcoStruxure systems deployed since 2007 with the support of our 9,000 system integrators

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20 of the largest
Oil & Gas
companies



11 of the top
brands within
Food & Beverage



10 of the world's
top electric utilities



100+ Water &
Wastewater plants



9 of the 10 largest
Mining, Metals,
& Minerals
companies



1 in 3 buildings
uses our technology



3 of the top 4
biggest
hyper-scale
cloud providers



8 of the top
10 packaging
machine
builders

Learn more



Discover EcoStruxure™



The Industrial Internet of Things: An Evolution to a Smart Manufacturing Enterprise



Predictive Maintenance Strategy for Building Operations: A Better Approach



How the Convergence of IT and OT Enables Smart Grid Development



Schneider Electric IoT 2020 Business Report

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