



17-21 JUNE 2019

EU SUSTAINABLE ENERGY WEEK

SHAPING EUROPE'S ENERGY FUTURE

**NEW EPBD: THE VALUE OF
ACTUAL PERFORMANCE AND
DIGITALISATION**



#EUSEW19

**EUSEW19 session "lucky" 13: Wednesday 19 June, 9h00 – 10h30
NEW EPBD: THE VALUE OF ACTUAL PERFORMANCE AND
DIGITALISATION**

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Smart buildings and performance monitoring: the role of building automation and controls

Bertrand Deprez, VP EU GA, Schneider Electric

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How does it start



Efficient

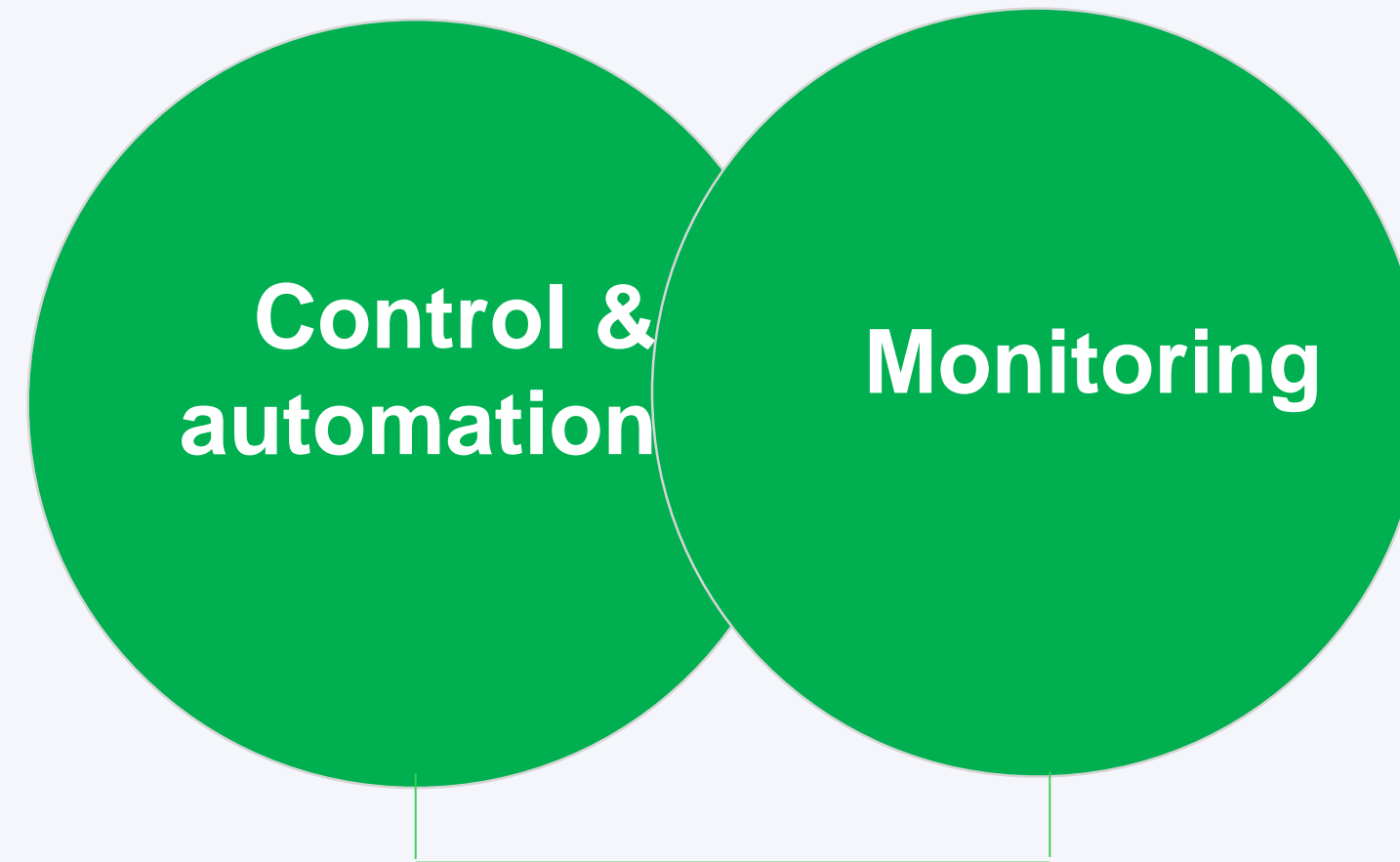


People centric



Safe and reliable

Building automation and controls offer tremendous benefits for improved buildings smartness and performance



Step up building automation and controls roll-out
For significant benefits

Energy efficiency
Up to
~65%
Average (30 %)

Indirect jobs created by
a ++ policy framework
+3.7M
By 2030

Reliability and Safety
50%
Fewer incidents

Sustainability
Aiming at
0
Carbon emissions

Connecting the dots

EcoStruxure™ Architecture



The Edge (Deloitte) Amsterdam

The world's most sustainable office building



Customer Challenges

- Maximize energy efficiency and sustainability
- Ensure the comfort, health and productivity of occupants

Solutions

- EcoStruxure Building Operation*
- EcoStruxure Power Monitoring Expert**
- Automation servers, electrical distribution and field devices
- Installed by an EcoXpert

Customer Benefits

- Leverage single IP backbone for all building ecosystems
- Improve occupant control room comfort via smartphone
- Access building data via simple dashboards

The Results: Life is On with...
Awarded highest score ever by Building Research Establishment (BRE) **98.36%**

"Sustainability is about more than a great BREEAM rating. It is also about a building's overall comfort and efficiency for its occupants."

Coen van Oostrom,
Founder and CEO of OVG Real Estate
(owner/developer of The Edge)

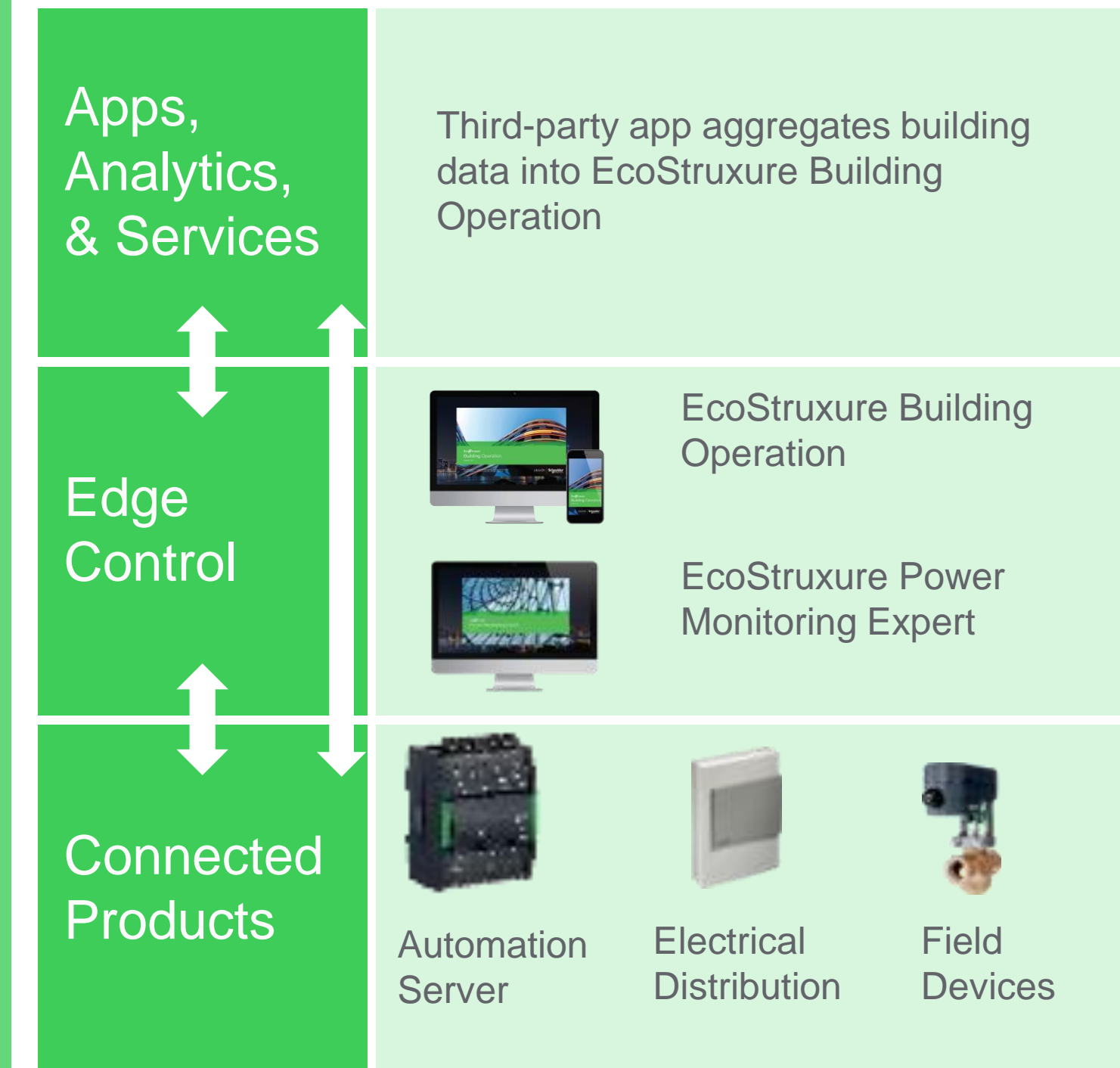
[Watch video](#)

*Formerly known as StruxureWare Building Operation Software
**Formerly known as Power Monitoring Expert

40,000 m² multi-tenant office building in Amsterdam consumes **<0.3 kWh/m²/yr**



EcoStruxure™ For Building
Innovation At Every Level



Cost of disruption

- Financial trading: €6,000,000 per hour
- Data center: €750,000 per event
- Telecommunications: €1,8M per hour
- Steel works: €350,000 per event
- Glassindustry: €250,000 per event

However, investment for energy renovation is still very low (deep energy renovation less than 0,1% of total renovation work in non residential buildings)