

Schneider Electric has proven competencies, worldwide recognitions, & million hours of experience in digital and sustainability

200 Factories 100 Distribution

Centers

100 Smart Factories and DCs 30 Zero Carbon **Sites**

Gartner

#2

Top 25 Supply Chain¹ 2022

WØRLD ECONOMIC FORUM

World Economic Forum Lighthouse Factories

Corporate Anights

#1

World's most sustainable corporation 2021

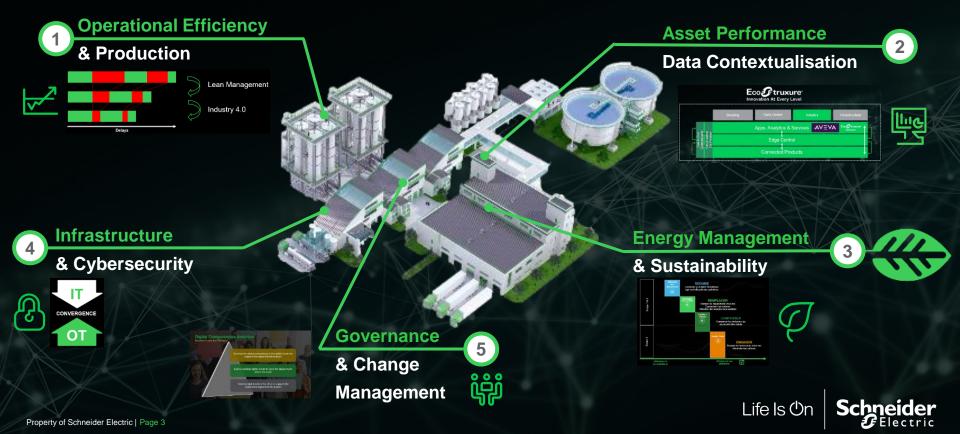
Various production archetypes across ETO, MTO and MTS

400+

Supply Chain and **Industrial Experts**



Our Smart Factory vision and where we can support: Digital for *efficiency* and Electrical for *decarbonization*



Smart Factory & Distribution Centers

A deployment plan that allows us to think big, act small & scale fast

Fast Scaling

2017

2019

2022

0 smart factories

 Validating solutions and started to build 11 show cases. 77 smart factories10 smartdistribution centers

 Proven result on ROI

>100 smart factories & distribution centers

- Analytics platforming with Al optimization
- Integrate Supplier and Customer in digitization

Concrete Benefits

A typical overall payback is **1.5-2** year, specifically*

Energy Efficiency: Average -30% cost saving.

Productivity: Average 30% CapEx reduction(engineering and commission); 28% OpEx reduction (maintenance costs); 22% equipment availability increase

Reliability: Average15% quality issues reductions

Safety: Average 20% workforce safety improvements

Sustainability: Average 20% CO2 footprint reduction

*Based on both customer projects & Schneider own entities



Brownfield Smart Factory transformation

Schneider Electric Manufacturing Facility, GSC Lexington, KY

Manufacturing load centers and safety switches

100% Schneider Electric — 62-year-old facility

500 employees as of 2022

485,000 ft² building

Core competencies

- Metal stamping
- ECOAT paint
- Plating

- Injection molding
- Power and free automated material handling
- Semi-automated assembly









Smart Factory empowered by AVEVA

A digital core model





Secure business integrity with Cyber-secured defense



Optimize Energy EcoStruxure Power Monitoring Expert



Reduce energy consumption, decrease environmental impact EcoStruxure Resource Advisor



Improve building operations EcoStruxure Building Advisor



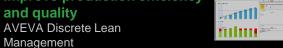
Optimize Maintenance Enterprise Asset Performance Management



Empower Operators Remote assistance **EcoStruxure Augmented** Operator Advisor



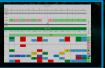
Improve production efficiency and quality



Drive production perfomance Digital Short Interval Management



Manage Shop floor competencies Versatility



Secure and analyse data **AVEVA Insight**



Life Is On



Digital Operations Management

Empowered operators

Agile Management

Asset Performance management

> Process Efficiency

Business value

Simple, effective means of monitoring process performance and alerting necessary resources upon process failure

- Standardizes process reporting
- Simple dashboarding of process performance
- Resource notification & escalation for process failures and ensures quality

Results

- Improves response / reduces mean time to repair
- Improves performance accountability and analysis of downtime
- Key Performance Enabler 6% Labor Productivity



Apps,
Analytics
& Services

Edge Control

Connected Products

AVEVA Manufacturing Operation Management

AVEVA Edge

Schneider Electric PLC

Life Is On

Schneider Electric

Consistent Performance across all digital transformation pillars



Operation Excellence

- Material movement
- \$1M labor savings
- \$500K WIP reduction



Reliability and asset management

- Digital procedures
- 20% MTTR reduction
- ROI < 2 years



Agility and operator empowerment

- Alarm notification
- 90% paper reduction
- ROI < 2 years



Energy efficiency

 3.4% year-over-year energy savings since 2012



Advanced Lighthouse 2020
First Schneider Electric End-To-End
Sustainability Lighthouse 2021
First Schneider Electric — one of three globally





Supporting our customers with our experience

Leveraging experience from Schneider's Smart Factory deployment



2nd Gartner Supply Chain Rankings

WORLD ECONOMIC FORUM Our expertise, combined with our technologies serve our customer supply chain



Sustainability











Smart Sensors



Asset management



Process Analytics Secondary sensing











Schneider Electric Consulting – Industry 4.0

A Digital Transformation program is ...

Multi use-cases

- Operation efficiency
- Augmented Workforce
- Al based process optimization
- Energy optimization
- Cybersecurity
- And more ...

Multi-sites

From pilot to scale

Multi-years

 From short term wins to deep operations transformation Schneider Electric provide an integrated and end-to-end delivery of the transformation





Life Is On Schneider

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