

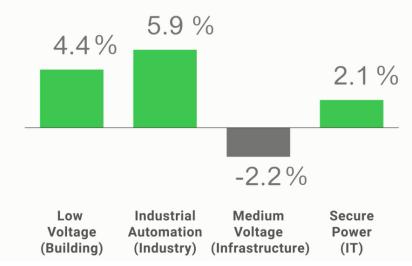
Gaurav Sharma – Director, Circular Business Models 5th April 2018 – WEC Executive Roundtable, Augsburg, Germany

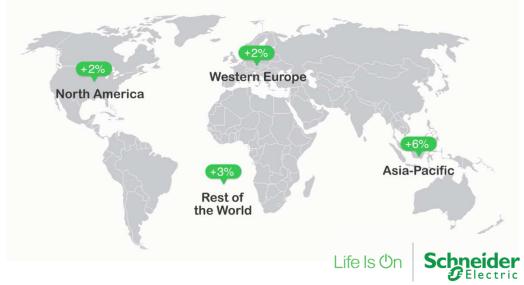
Life Is On



# Schneider Electric, leading the digital transformation of Energy Management and Automation







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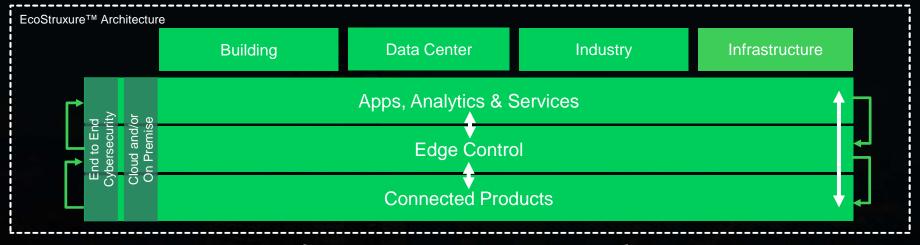


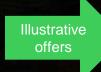
Driven by pervasive penetration of MOBILITY & ANALYTICS

OT

Life Is On Schneider







# **EcoStruxure Building**



EcoStruxure
Building Operation

## EcoStruxure Power



Electrica Distribution

#### EcoStruxure IT



Data Centers

## **EcoStruxure Machine**



Variable Speed Drives

## **EcoStruxure Plant**



HM

## **EcoStruxure Grid**



Substations

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# Circular lens placed on Value Chain helps unearth future opportunities: both practical & strategic



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Schneider

# We identified 4 domains of "Circular Innovations" – driving programs, partnerships, communities

### I. Resources Circularity



#### Value proposition to Customer (eg)

- Toxic-free, recycled content
- End-of-life instructions
- « Circularity » Profile
- Recycled & Certified Packaging

### II. Products Circularity



#### Value proposition to Customer (eg)

- Total Cost of Ownership
- Uptime maximization
- Longer lifespan
- ROCE

### III. Value Proposition Circularity



#### Value proposition to Customer (eg)

- Power Distribution: xx k€/month: EaaS
- Remote Monitoring & Analytics
- Performance Contracting
- Focus on what is 'Core'

### IV. End to end Supply Chain Circularity

Efficient & waste-free Manufacturing, Logistics & Procurement

Raw Material Selection & Optimisation



Scrap recycling



Packaging Minimisation & reuse





# Climate CITCU AT ECONOMINATE Alth and Equity 80% renewable electricity 75% score in Employee Engagement Index

100 million metric tons /ust of sales under our new Green Premium program

sites labeled towards zero waste to landfill (30% digital)

cardboard / pallets from recycled or certified sources

of primary resource consumption

200 sites labeled towards zero waste to landfill Ecofit, recycling, and take-back programs corruption



# **Product Environmental Profile**

DT40 4500A 16A/C 1P+N









ENVPEP100612EN\_V1 / PEP ecopassport 8CHN-2015-098

#### Product Environmental Profile - PEP

#### Product overview

The functional unit of the 1P+N MCB (ref. A9N21025) is to ensure protection of low voltage electrical installations against overloads and short-circuits for 20 years.

This range consists of circuit breakers rated 1 A to 40.A.

- Complying with EN/IEC 60898-1 and with EN/IEC 60947-2
- . With instantaneous tripping curves type B, C or D

- Belonging DT40, C40,IDPN, DPN, Domo' clic, D'clic XP, or Domae

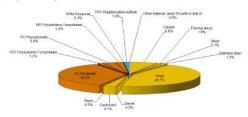
The representative product used for the analysis is DT40 4500A 16A/C 1P+N (ref. A9N21025).

The environmental impacts of this referenced product are representative of the impacts of the other products of the range which are developed with a similar technology.

The environmental analysis was performed in conformity with ISO 14040.

#### Constituent materials

The mass of the product range is from 115.9 g and 119.9 g including packaging. It is 119.9 g for the DT40 4500A 16A/C 1P+N (ref. A9N21025). The constituent materials are distributed as follows:



#### Substance assessment

Products of this range are designed in conformity with the requirements of the European RoHS Directive 2011/65/EU and do not contain, or only contain in the authorised proportions, lead, mercury, cadmium, hexavalent chromium or flame retardants (polybrominated biphenyls - PBB, polybrominated diphenyl ethers - PBDE) as mentioned in the Directive

Details of ROHS and REACH substances information are available on the Schneider-Electric Green Premium

The 1P+N MCB (ref. A9N21025) product range is manufactured at a Schneider Electric production site on which an ISO 14001 certified environmental management system has been established.

The weight and volume of the packaging have been optimized, based on the European Union's packaging

The 1P+N MCB (ref. A9N21025) packaging weight is 4 g. It consists of cardboard (3.75 g) and paper (0.25 g). The weight of recycled materials used is 96 % of total packaging mass.

ENVPEP100612EN\_V1 / PEP ecopassport 8CHN-2015-098

Published by: Schneider Electric 08-2015



ENVEOLI1612007\_V1 - End of Life Instructions - MP-C 36 POINTS 8 UIOC 8 FORM 20 UIOB

#### Product End of Life Instructions

MP-C 36 POINTS 8 UIOC 8 FORM 20 UIOB

All MP-C models



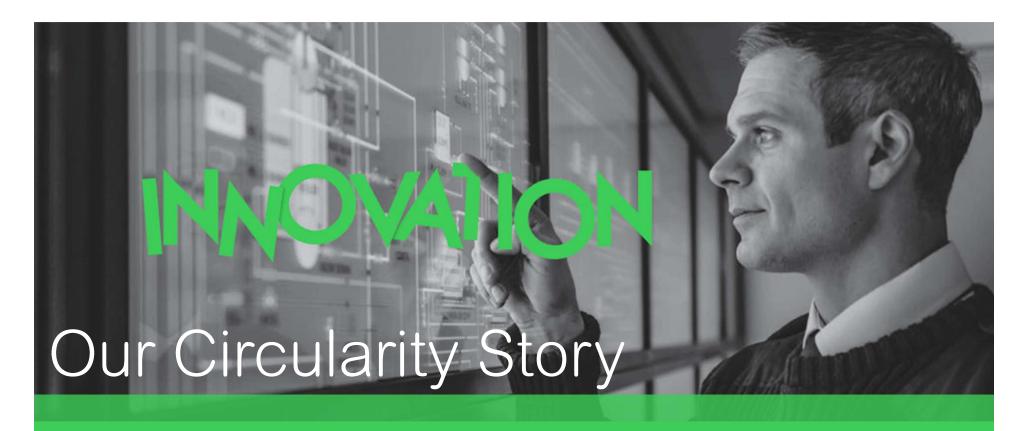




ENVEOLI1612007\_V1 02/2018







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