

Investing in the circular economy of materials

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In a world of increasing resource scarcity

growing global population and rampant urbanization

- **60%** of the 8.5 billion people on earth will live in cities by 2030
- **41** mega-cities with more than 10 million inhabitants by 2030

limited resources on the planet

- World need for water will exceed by **40%** the available quantities by 2030
- The volume of urban waste will increase by **70%** by 2050
- Earth Overshoot Day¹ earlier each year

1990
December 7

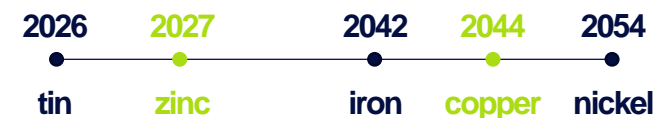
2000
November 1

2010
August 21

2018
August 1

1- The date when humanity has consumed all the resources the planet is capable of regenerating in a year.

mineral resources will be exhausted



SUEZ at a glance

2018 key figures

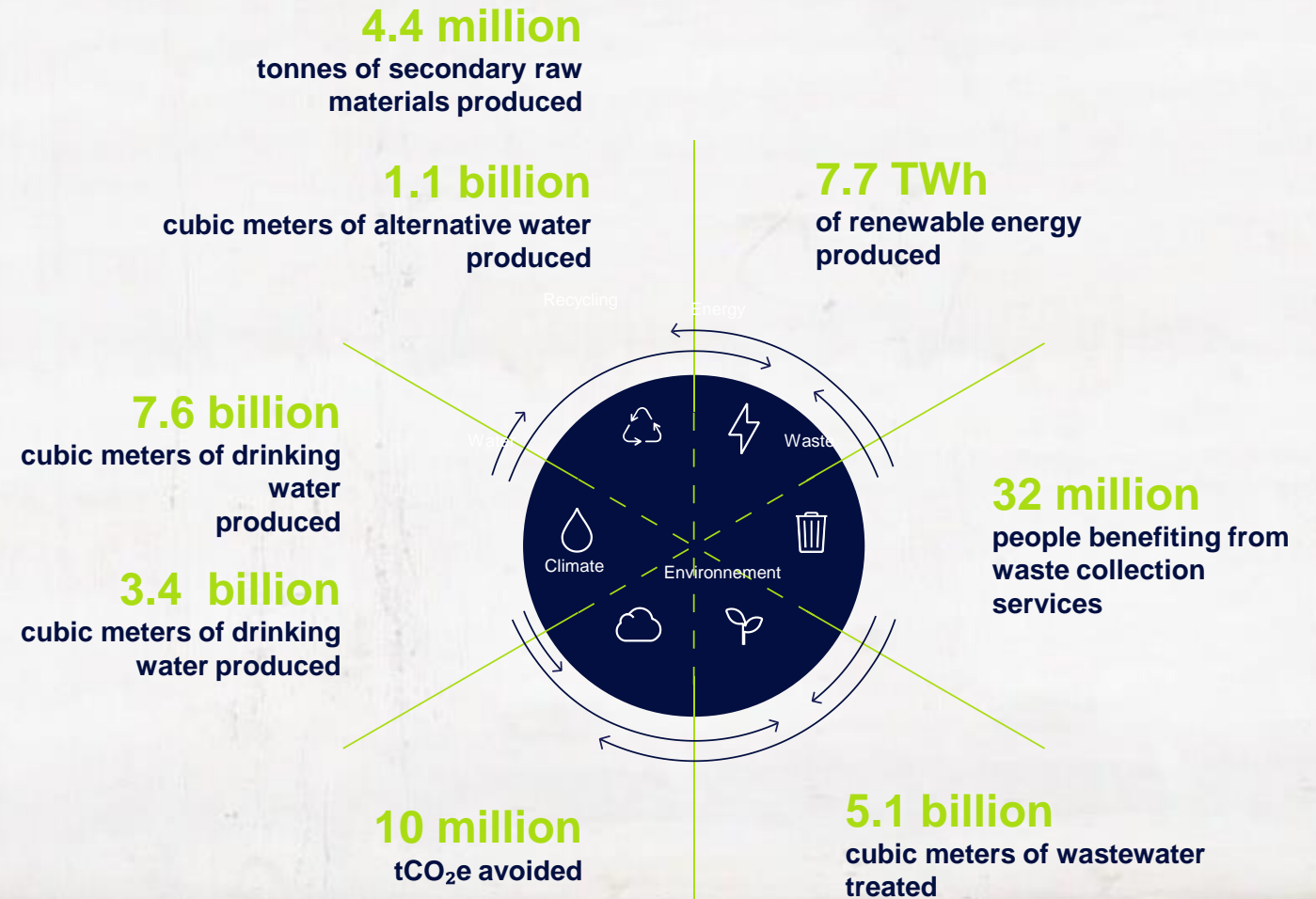
€17.3 billion
turnover in 2018

88,775
employees

on **5**
continents

€120 million
invested in R&D

27.6%
of women
in management

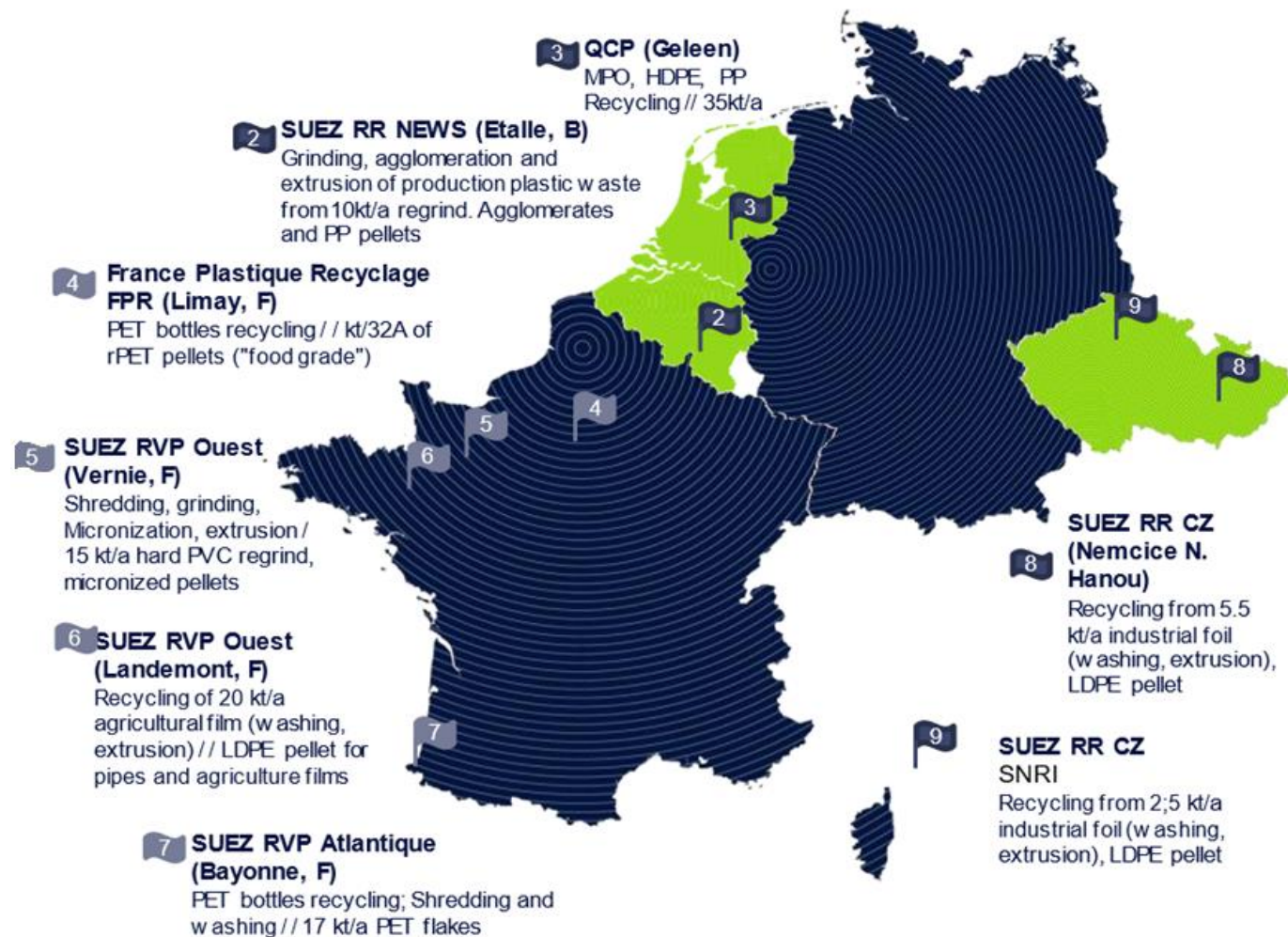


Belgium Recycling and Recovery

Employees	Active on	Clients	Turn-over in 2018
1.900	45 sites	49.000	443,8 M €
Vehicles	Tonnes of collected waste	Tonnes of treated waste	89% of all treated waste is regenerated or reused
758	2.635 k	3.036 k	



Our plastics reprocessing plants in Europe



In **Asia**
as from **2020**

Our solutions for industries

Accelerating the circular economy, new alliances throughout the value chain



our solutions for industries

Processing high quality polymers from packaging waste



- **100% recycled** plastic consumer waste
- **7 times** entirely recycable
- **Collaboration** between Samsonite, LyondellBasell and SUEZ

our solutions for industries

Herstal, new sorting line



- Automated sorting line for industrial and commercial bulky waste is a **first in Belgium**
- **30% increase** of annually recycled waste
- Creation of **20 new jobs** to manage the sorting line

our solutions for industries

Ecluse, steam and heat network



- Annual emissions of **100,000 tonnes of CO2 avoided**
- Steam delivered to **6 neighbouring companies**
- Contribution to the **achievement of the Flemish climate objectives**

our solutions for industries

E-wood, a solution for non-recyclable waste wood



- Capacity to process **180,000 tonnes** of non-recyclable wood waste annually
- The energy that is released is a **permanently available, green source of energy**
- Contribution to **the achievement of the Flemish climate objectives**

Transforming cable waste into pure copper granules



ReCycâbles – Nexans

- RecyCâbles handles all types of cable, from collection and recovery of end-of-life cables to production waste.
- recovery of cables for a further three years, and a substantial consulting service.
- optimize end-of-service-life and adopt a circular economy approach from the very early stages.

36,000 tons

of cables processed a year,
enabling recovery of:
18,000 tons of metal granules
13,000 tons of plastic

99.9%

rate of purity of recycled
copper granules



innovation at the heart of our business

we innovate every day with our researchers & partners for smart & sustainable resource management

€120 million
invested in R&D
in 2018

650
experts & researchers
driving innovation

17
research centers
worldwide

3,921
national patents

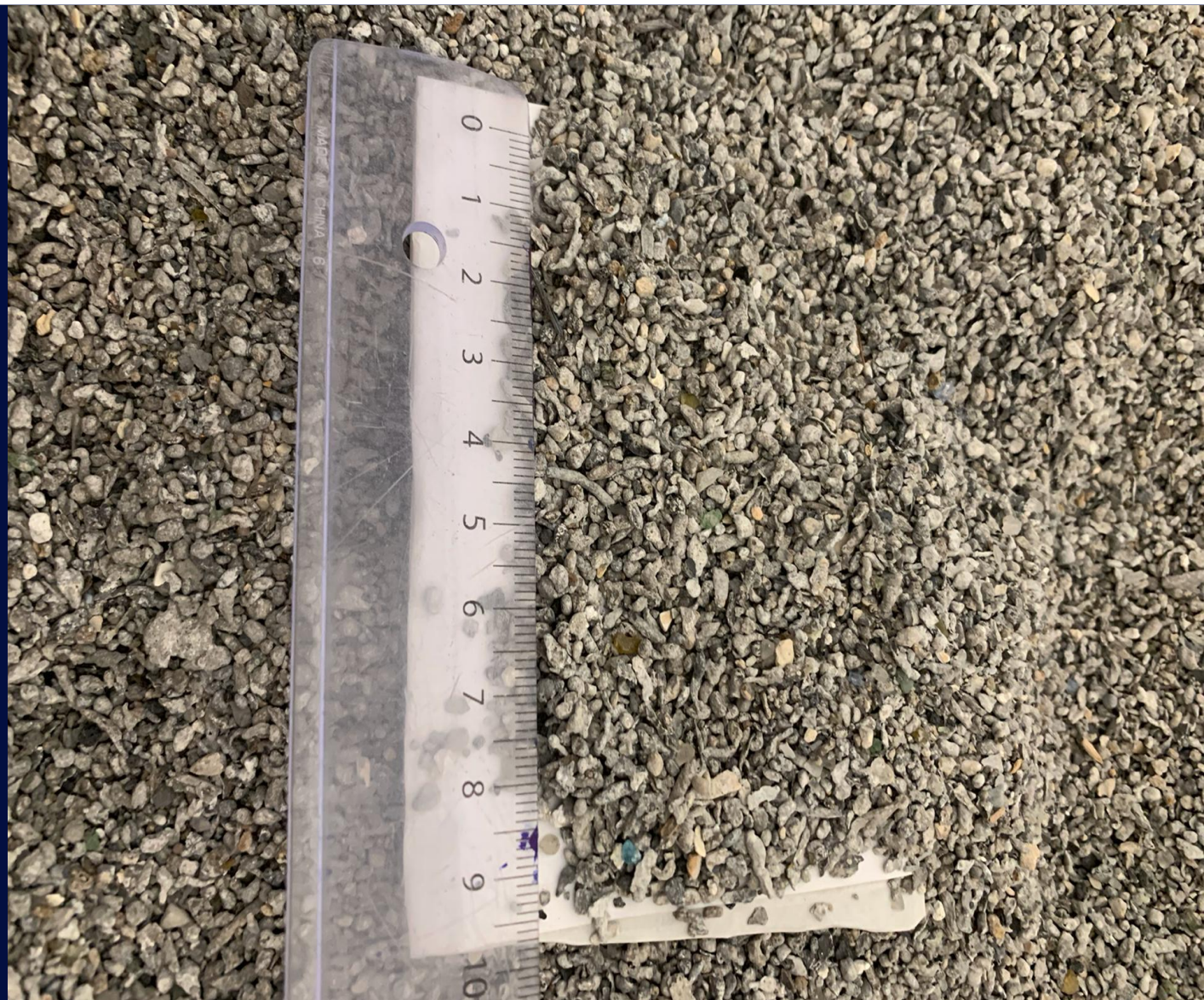


innovation at the heart of our business

Valomet, aluminum and copper recovery



- Valomet process is **unique in Europe**
- From bottom ashes to **secondary raw material**
- **Purity** up to **96%**



innovation at the heart of our business

Recyper, recycling of perchlorethylene for dry cleaning machines

From solvent to solvent



innovation at the heart of our business

High5, joint venture between SUEZ and SIBELCO

4 types of cullets ready for bottle manufacturing



innovation at the heart of our business

Again, a unique mattress using recycled materials



innovation at the heart of our business

QCP, joint venture between SUEZ and LyondellBasell



QUALITY
CIRCULAR
POLYMERS



innovation at the heart of our business

Recycling plastics



Shower Gel



Detergent bottles



Household bottles



Jerry can (motor oil)



Housewares



Pails



Crates



Caps



Together towards a
circular economy.

We are ready
for the resource revolution.
Join us!

