

ready for the resource revolution



"In response to worldwide demand for a growth model that consumes fewer resources and increasing demands from our clients to overcome the challenges of resource scarcity, SUEZ is fully engaged in the resource revolution.

We design and implement smart and sustainable solutions helping cities and industries to optimize their resource management.

Our ambition is to lead the new circular economy by helping our clients to make the switch from a resource consumption approach to a use-and-recover approach. We are innovatively and collaboratively moving towards this purpose.

With the recent acquisition of GE Water, we are proud to be the only player offering solutions to industries across the entire value chain."

Jean-Louis Chaussade
SUEZ, CEO

SUEZ

at a glance

A world leader in the smart and sustainable management of resources, we help cities and industries optimize water management, recycling and waste recovery.



our fields
of activity



Smart & sustainable management of the water cycle,
smart water solutions



Recycling and waste recovery to produce
new resources, secondary raw materials and energy



Engineering, design and construction
of treatment infrastructure



Innovative solutions for smart and resourceful cities

supporting

major societal revolutions since 1858

THE TRADE REVOLUTION



SUEZ canal inauguration

THE HYGIENE & PUBLIC HEALTH REVOLUTION



The industrial revolution leads to the development of cities in need of infrastructure for the sake of people's hygiene and health: Water and sanitation networks are built over great distances, access to safe water is provided, and modern waste collection is invented.

THE URBAN COMFORT REVOLUTION



After the war, big cities and suburbs increase their needs in water supply demand to provide a healthy water 24/7 for more people, to treat urban and industrial waste water, to collect but also store and incinerate increasing waste quantities.

THE RESOURCE REVOLUTION



At the dawn of the 21st century, a new chapter begins at the Rio Earth Summit. World leaders make the protection of the earth a priority. Cities and industries are seeking new solutions to face resource scarcity.

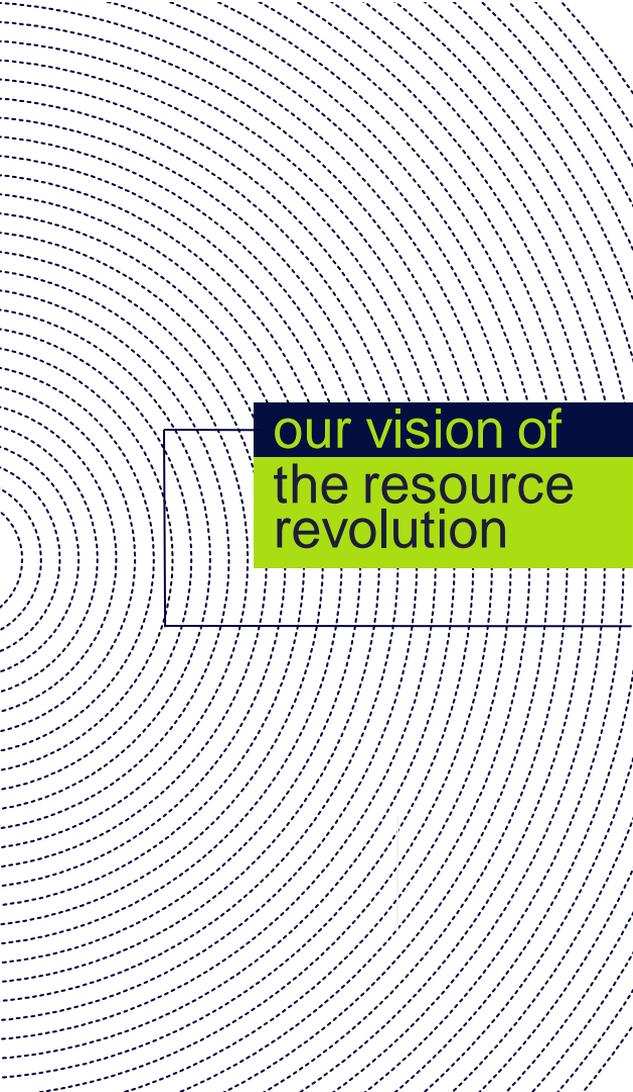
1858-1869

1880

1945

1990

Today



our vision of
the resource
revolution



CIRCULAR

We help our clients to make the switch from a resource consumption approach to a use-and-recover approach.



CONCRETE

We are committed to creating innovative solutions and sustainable models to optimize resource management.



COLLABORATIVE

We develop partnerships and engage everyone who contributes, each at their own level, to secure resources for the future.

the challenges
we all face

increasing
resource
scarcity

growing population and 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

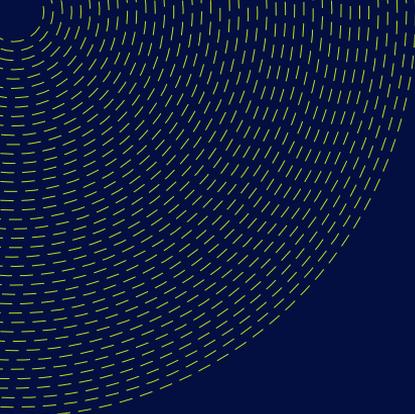
1990	2000	2010	2017
December 7	November 1	August 21	August 2

Mineral resources will be exhausted² in:



1- The date when humanity's demand for ecological resources and services in a given year exceeds what Earth can regenerate in that year.

2 - Estimated years on the basis of their use in 2009



we are designing and implementing innovative solutions to secure the resources essential to exponential human development



we develop access to resources for everyone

- Supplying people with drinking water that is essential for health.
- Optimizing the collection and sorting of waste to maximize recycling and recovery.



we protect resources and ecosystem

- Helping cities and industries to improve the quality of their discharge, recover sludge as energy, reduce CO2 emissions, decontaminate soil and promote biodiversity.



we optimize the use of resources

- Improving resource management through digital solutions.
- Generating significant economic and environmental savings for our customers.



we produce new resources

- Transforming sea water into drinking water, waste into energy or secondary raw materials. By creating these new, high-quality resources we avoid drawing on scarce natural resources.



our solutions for industry

**improving economic and
environmental performance**



what we do for industries

We provide tailored resource management solutions for all industrial sectors worldwide, to help them increase their economic and environmental performance and brand image.

increasing competitiveness

We support industries and businesses in the optimization of their economic performance by securing production continuity and access to resources, improving operational efficiency, competitiveness, minimizing risk and downstream impact and increasing resource recovery and asset protection.

meeting regulations

Changes in regulatory requirements and higher expectations from end-users encourage industries to seek the expertise and collaboration of private operators. Through our expertise, we help them meet regulatory standards.

developing circular solutions

We help industries increase resources recovery, including energy in order for them to turn their own waste streams into new and accessible resources.

boosting brand equity through corporate social responsibility



We contribute to industries' sustainable development strategies by optimizing and protecting water resources, turning waste into new resources, improving energy efficiency, and reducing greenhouse-gas emissions. By partnering with us, industries benefit from solutions to improve economic and environmental performance, and have a positive impact on the territory and on biodiversity around their sites.

case studies

Improving economic and environmental performance of industries



Total

Turning used cooking oil into biofuel



Head&Shoulders

Creating the 1st recyclable shampoo bottle made with plastic collected on beaches



SCIP, China

Reconciling economic growth and environmental protection



Koniambo Nickel SAS

Increasing water supply to reach production objectives



Sanofi

Maximizing economic and environmental performance on all production sites



innovation at our core

Over **10,000** employees ready to bring innovation and new value to industrial and municipal customers.

€122 million

dedicated to R&D
in 2016

650

experts and
researchers

17

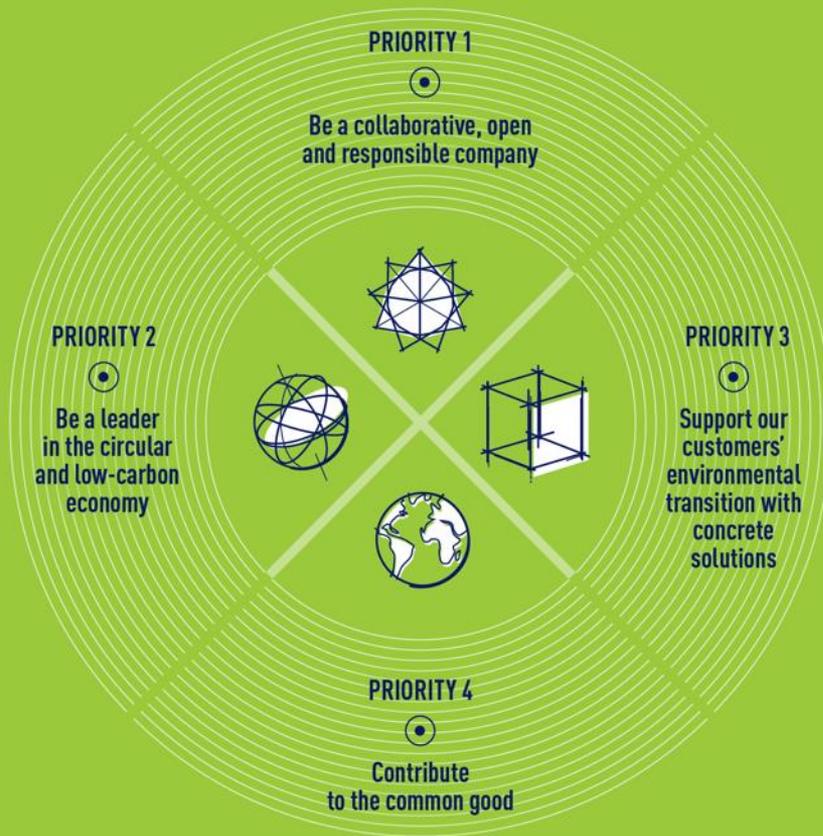
Research
& Excellence
Centers

+3,200

national
patents

our Group commitments – sustainable development roadmap

for 2021



some of our quantified objectives:

- **100%** of restricted access zones equipped with suitable signage systems;
- **95% of employees covered by social dialogue** systems (in their company or on a more global level);
- **Reduce greenhouse gas emissions** by more than **30%** in the entire scope of activity by 2030;
- Help our customers to **avoid more than 60 million tonnes** of greenhouse gas emissions;
- Increase the production of **secondary raw materials by 20%**;
- Put forward **100% sustainable solutions**;
- Increase the number of **connected objects by 20%**;
- **Roll out biodiversity action plans at 50%** of priority sites managed by the Group.

Fonds

SUEZ initiatives

action

Supporting concrete actions to sustainably develop access to essential services (water, sanitation and waste) for underprivileged populations in developing countries

Supporting the integration of the most vulnerable populations in France through education and employment.

Contributing to the achievement of the United Nations' Sustainable Development Goals.



In Burkina Faso – The Fonds SUEZ initiatives supports Action against Hunger's projects. Over 70,000 people have now sustainable access to drinking water & improved sanitation.

6-year
commitment

55 NGOs
& partners

over 3 million
inhabitants
directly concerned

€24 million
over six years

115
projects
selected

990
project applications
received



SUEZ Recycling and recovery **in Belgium**

SUEZ R&R Belgium at a glance

employees
over 1 900

operating on
42 sites

industrial and
business
customers
**over
49 100**

turnover in 2017
**413,1
M €**

trucks
770

waste collected
2 734 k tons

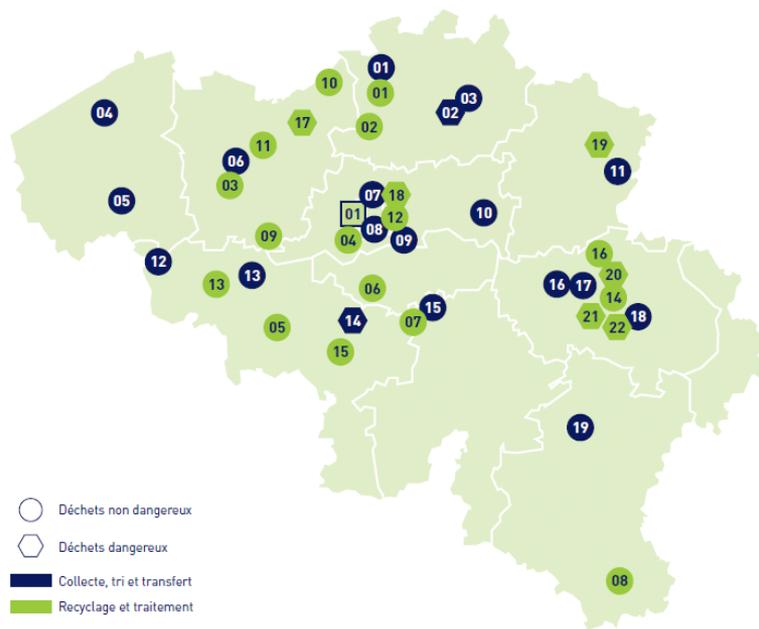
waste treated
3 013 k tons

Over **89%** of our
treated waste
receive a second
life



SUEZ R&R Belgium

sites



siège social

01 SUEZ Bruxelles

collecte, tri et transfert

01 SUEZ Luthagen
02 SUEZ Beerse
03 SUEZ Beerse
04 SUEZ Brugge
05 SUEZ Izegem
06 SUEZ Gent
07 SUEZ Neder-Over-Heembeek
08 SUEZ Laken
09 SVP de Meuter
10 SUEZ Tienen
11 SUEZ Maasmechelen
12 SUEZ Estaimpuis
13 SUEZ Chivvres
14 SUEZ Jumet
15 SUEZ Sombrefe
16 SUEZ Awans
17 SUEZ Grâce-Hollogne
18 SUEZ Herstal
19 SUEZ Tenneville

recyclage et traitement

RECYCLAGE ET VALORISATION

01 High5
02 SUEZ Willebroek
03 SUEZ Recycling (Gent)
04 SUEZ Valomac
05 Oilco
06 Minerale
07 Recyc-Mattress Belgium
08 SUEZ Etalle

COMPOSTAGE

09 Wips

VALORISATION ÉNERGÉTIQUE

10 Sileco
11 Ivago
12 Brussel Energie
13 Ipalle
14 Uvelia

CENTRE ENFOUSSEMENT

TECHNIQUE

15 CETB
16 SUEZ Treatment (Hallebaye)

RECYCLAGE ET VALORISATION DES DÉCHETS DANGEREUX

17 SUEZ Recyper
18 SUEZ PCB Decontamination
19 RD Recycling
20 Revatech (Monsin)
21 Revatech (Engis)
22 Recyuel

some of our
resources
creation
solutions

Circular solutions

Recyber



Valomac



Co-creation

Recyfuel



High 5



Etalle



Valomet



Valodec *coming soon*



Recyc-Mattress Belgium



our local commitment

Sustainability report :

<https://suezbelgium.be/fr/a-propos-de-nous/rapport-developpement-durable>

BeeOdiversity
partnership –
environmental
watch



Voetsgangerbewe
ging partnership –
traffic prevention for
children



Health & sport
events –
sponsoring, teams



Upcycling – events
and projects



Solidarity : BeFace
(social inclusion),
Warmste week,
Télévie...



Open doors
events

