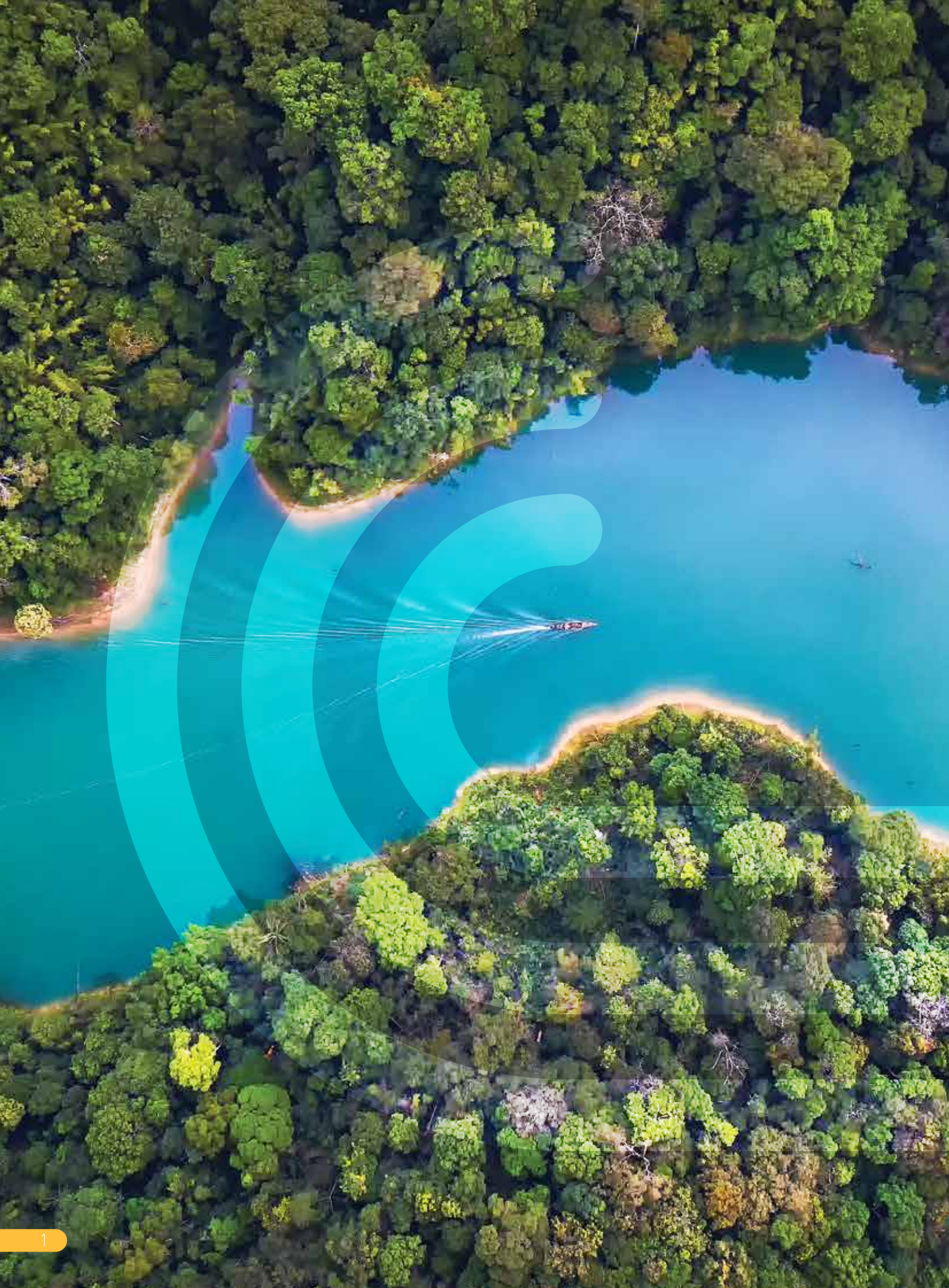




Shaping A Sustainable Environment NOW for China





Our purpose the reflection of our vocation

SUEZ draws on the expertise it has been developing since the late 19th century to help people constantly improve their quality of life by protecting their health and supporting economic growth.

We work to provide access to essential environmental services for everyone. We supply high-quality water, suited to every type of use, and ensure this common good protection. We recover wastewater and waste to convert them into new resources.

Faced with demographic growth, climate change, and social and geographical inequalities, people are increasingly exposed to the consequences of the environmental emergency that is affecting our planet.

Every single day, SUEZ commits to preserving the fundamental elements of our environment - water, soil, and air - that ensure our future. At SUEZ, we invest in preserving and restoring natural capital, and in the future of biodiversity, both on land and at sea.

As a committed partner of local communities, industry players and citizens, SUEZ mobilises stakeholders to succeed in the environmental transition, developing circular business models and innovating to plan for tomorrow's challenges.

Proud of their work and strengthened by their values, SUEZ's teams based in regions throughout the world are shaping a sustainable environment, now.

“

As China accelerates its green development, our long-term commitment to this region remains unwavering and our confidence in this market remains high. In China, our target is simple: to be the country's best environmental company, and to support both the government and industrial clients to realize their ambitious environmental goals.

Steve Clark, CEO of SUEZ Asia

”

A Global Leader in Environmental Services

As a leader in environmental services, and with a history in the water and waste sectors stretching back over 160 years, SUEZ works on all five continents, providing smart, sustainable resource management. We help cities and industries preserve and restore the essential elements of the environment: water, soil and air.



5
-
continents

86,000

-
employees

€17.2^{Bn}

-
revenue



Global Capabilities



160

years of global
experience

7.1 Bn

m³ of drinking water
produced globally

92M

people supplied with our
drinking water globally

4.1Mt

of secondary raw materials
produced globally



Local Expertise



46

years
in China

2.1 Bn

m³ of drinking water
produced in China

25M

people supplied with our
drinking water in China

0.35Mt

of secondary raw materials
produced in China

*2020 data

Over Four Decades of Strong Commitment to Sustainability in China

SUEZ entered China in the 1970s. Since then, we have witnessed the country's rapid development in combining economic growth and environmental protection. Harnessing SUEZ's global expertise and successful experiences, we help businesses, governments and communities develop smart and resilient solutions in **water management, waste recycling & recovery, soil remediation** and **air treatment**, making a positive impact on our environment, health and climate.

SUEZ Key Milestones in China

1975

Enters China water market

1987

Launches solid waste business in Hong Kong

1985

Establishes Macau Water to operate the first water concession contract in Asia

2000

Starts operating first waste-to-energy project in Taiwan

Today, SUEZ is a preferred partner in helping authorities and industrial clients develop innovative solutions for climate change and sustainable resource management across the region. In water, over 25 million people in China receive our water supply services. In waste, we have considerably expanded our presence in the region over the last few years. We are the largest waste management supplier in Hong Kong, and we operate 12 hazardous waste treatment facilities in Mainland China and Taiwan. Our smart environmental solutions are also applied across the region, in places like Chongqing, Shanghai, Macau, Hong Kong and Taiwan.

2008

SUEZ and NWS jointly acquire 100% equity in Suyu, through which both parties indirectly co-hold 25.1% shares in Chongqing Derun

2021

SUEZ expands China footprint by acquiring entire NWS minority stake, to fully control SUEZ NWS & Suyu, and unify the **SUEZ** brand in China

2017

SUEZ combines Group's water and waste activities in Mainland China, Macau, Hong Kong and Taiwan under a single equity, SUEZ NWS, with its historic partner NWS

SUEZ's Extensive Footprint

Developing Landmark Solutions in China



Mainland China

Leading environmental services provider in Mainland China



Hong Kong

Largest waste management operator in Hong Kong



Macau

Main operator for drinking water and waste collection services



Taiwan

Strong presence in waste-to-energy sector



- ★ SUEZ office
- 💧 Water
- ♻️ Waste
- 🔬 R&D centre
- 🧪 Environmental Quality Monitoring (EQM)



8,000
employees



70+ 30+
Managing more than 70
water and waste projects
in over 30 cities



300+
Built more than
300 water and wastewater
treatment plants



22
Providing environmental
services to 22 large
industrial parks

Innovative Municipal Solutions

Ensuring the Sustainability and Resilience of Cities

Macau

Smart Water And Waste Services Reinforce Macau's Resilience and Prosperity

Known as the "Vegas of China", Macau hosts around 680,000 inhabitants and 30 million tourists. It is one of the world's most densely populated areas, with limited natural resources. Since 1985, SUEZ has supplied drinking water, sanitation and waste collection services to preserve the city's natural resources.

We have adopted AQUADVANCED® Smart Water Network and Energy Management solutions, using smart water meters to monitor water quality in the network. The solutions also detect and analyze pressure and flow changes in real time and deliver early warnings. These features ensure excellent water quality while reducing energy consumption, operating costs and pipe rupturing incidents, resulting in Macao Water's non-revenue water falling to 7.5%, a world-leading standard. Today, our performance excellence is a benchmark for China's water industry.



Hong Kong

Supporting the City towards its Pathways to Net Zero Carbon Emissions by 2050

SUEZ manages 2/3 of Hong Kong's waste treatment facilities and provides sanitation services to millions of populations. The landfills we operate account for about 87% of all landfilled waste in Hong Kong. They are among the world's best examples of green energy recovery and recycling. We use recovered landfill gas to reduce fossil fuel consumption and minimize greenhouse gas emissions. We have also restored seven landfills back into urban green space and currently manage them, improving urban biodiversity and maximizing ecological value of urbanized areas.

Additionally, we built, and now operate, the city's first food waste treatment facility, O-PARK1, which turns food waste into electricity that goes into the city's power grid while generating compost byproducts that can be used for landscaping and farming. The drop in the volume of fossil fuel used for electricity generation and the organic waste in landfills prevents emission of about 42,000 tonnes of greenhouse gas each year.



Chongqing

Integrated Solutions Help Municipality Build Smart, Resilient and Resourceful Cosmopolitan City

SUEZ has been present in Chongqing for over 20 years. Our collaboration with the Chongqing government and our local partners has created many impressive achievements and obtained good social and economic benefits. Today, the partnership is widely recognized as the most successful Sino-foreign PPP model in China's water industry. Our involvement has expanded from just water supply to sewage treatment and industrial park environmental services, with a total investment of over 4 billion RMB. In addition to this we are also strategic shareholders in the Chongqing Water Group and Sanfeng.

Over 2 million residents receive our smart drinking water services. Our wastewater treatment is recognized as the most innovative in western China. It uses hydropower generation, saving 10% on power consumption and using reclaimed wastewater recycling, which reduces water usage by 94%. We also develop a smart storm water drainage system as part of the Sponge City initiative.



Taiwan

Waste-to-Energy Facilities Turn Refuse into Resources

To deal with the increasing production of waste, and avoid harm to the environment and people's health, proper disposal of waste has become a key issue in Taiwan. Since 2020, SUEZ helps its largest international port, Kaohsiung city, converts municipal and industrial waste into green energy.

The waste incineration process meets the world's most stringent emission standards, and generates energy in the form of heat that is then recovered to produce electricity. As well as powering production, much of the generated electricity is transmitted through the power grid to other end users. This process generates 240,000 MWh of electricity sufficient to meet the annual demand of 57,000 households, and replaces conventional, non-renewable energy sources like coal, natural gas and oil. Every year, it helps the city save approximately 500,000 tonnes of carbon dioxide equivalent.



Sustainable Industrial Solutions

Supporting Our Industrial Customers' Transition to Environmental Leadership

Shanghai

Helping Industrial Clients Reconcile Economic Growth with Environment Protection

SUEZ partners with Shanghai Chemical Industry Park, one of the world's largest industry parks to provide its water and waste services. We repurpose the Park's industrial wastewater by plugging each factory into our treatment network and reusing the treated water in our demineralized water production plant. This can treat 300,000 m³ of industrial water, 6,720 m³ of drinking water and 44,500 m³ of industrial wastewater per day.

We collect hazardous waste and process it through our incinerator, which has a capacity of 120,000 tonnes/year, one of the largest in Asia. The steam produced is fed back into industry, reducing consumption of fossil fuels and saving 55,000 tonnes of standard coal each year, equivalent to 41,800 tonnes of carbon dioxide emissions. Through our integrated environmental solutions, the Park has become a global model of excellence in ecological conservation and the circular economy.



Suzhou

A Paragon of Circular Economy, Transforming Refuse into Resources & Energy

SUEZ's sludge drying project in Suzhou Industrial Park (SIP) is a model for the circular economy and a template for third-party environmental solutions. Our sludge drying plant combines seamlessly with cogeneration and wastewater treatment plants. In this case, we realize strong industrial synergies. Using a recycling and zero-discharge model, we convert sludge into resources and mitigate climate change, conserving about 136,000 m³ of demineralized water and 24,000 tonnes of standard coal, which is equivalent to 18,000 tonnes of carbon dioxide emissions, per year.

Our hazardous waste treatment facility in SIP has an energy recovery unit, and is the industry's largest odor treatment facility. It meets EU Directive 2000 emission standards and recovers energy during incineration, to produce steam for nearby companies.



Dalian

Innovative Wastewater Solution Protects Bohai Sea's Ecology and Biodiversity

SUEZ was the first to incorporate an embedded design to a wastewater treatment plant. Located on Changxing Island (Dalian), the plant has an annual capacity of 20 million tonnes. We adopted 12 patented SUEZ technologies and designed the plant to focus on upstream infrastructure. By holistically analyzing the sources, characteristics, and processes of pollutants generated upstream, the plant recycles waste generated in each process to reduce energy and raw material consumption, emissions and secondary pollution. Every year, it helps to save approximately 2,100 tonnes of carbon dioxide emissions equivalent.

Our solution received a Special Climate Prize in Innovation. It protects the nature reserve's biodiversity, preserves the habitat of spotted seals and creates shared value for both clients and the community.



Hainan

Utilizing Our Expertise to Safeguard the Marine Ecosystem

The petrochemical industry, which uses marine oil and gas as raw materials, has grown in Hainan's Dongfang Industrial Park. Rapid industrialization has introduced great environmental challenges to this beautiful island. With its rich marine ecosystem, Hainan Island – in southern China – attracts tens of millions of tourists each year. Maintaining a high-quality marine ecosystem is a priority.

SUEZ treats refinery wastewater for CNOOC, one of China's major oil and gas producers and supplier, ensuring that the concentrated brine meets the most stringent criteria for discharge. To protect the island's beauty, we reuse treated effluent for greening and industrial production. This reduces environmental impact while maintaining the sustainability of the industrial park and the competitiveness of enterprises.



Smart Environmental Solutions

Helping Customers Meet Environmental Challenges Through Technology

Environmental Quality Monitoring (EQM) A Benchmark among Third-Party Environmental Monitoring

Our laboratories in Beijing, Shanghai, Guangzhou and Zhongshan and offices in Chongqing, Wuhan and Shijiazhuang are committed to providing **third party environmental quality monitoring** and technical consulting services for site forensics, remediation, risk assessment and acceptance checks.

Our four full-service laboratories, with CNAS accreditation and CMA laboratory certification, can test environmental samples (like water, soil and air) for more than 2,000 parameters and can also produce professional monitoring and quality control reports. Our services are available across China.



Shanghai Chemical Industry Park (SCIP) First ever in China's industrial park to integrate wetland to treat wastewater

In SCIP, we use SUEZ's patented **Libellule Zone®** technology and cultivate coastal plants with high purification properties and high salinity tolerance. This project involves rehabilitating and expanding 50 hectares of the wetland.

The natural properties of the eco-wetland help to create an ecosystem that organically purifies water, absorbs and retains water to prevent floods and droughts. The diverse flora provides an ideal habitat for a variety of animals. It is also a good educational site for students.



Taiwan Adopting Environment Friendly Pipe - Cleaning Technology to Improve Water Quality

SUEZ applies a patented solution, **Ice Pigging**, which uses a relatively small amount of ice slurry to clean pipes. This solution has been deployed in Taiwan, Singapore, Chongqing and Hong Kong. It helps remove mineral sediment, biofilm and other deposits from the inner walls of water pipes to improve the water quality in municipal water distribution networks.

This innovative, fast, effective and economical technology is low risk, highly efficient and provides strong cleaning performance while consuming 50% less water than traditional cleaning technologies. It won 2016 World Food Innovation Award in the "Best Manufacturing / Processing Technology" category.



Strong Innovation Focus

Addressing China's Unique Environmental Challenges

China's environmental resource concerns are unique. We cannot rely on imported technologies to address them all. To help prepare for a more sustainable future, SUEZ has fostered local talent by establishing R&D centres designed to develop solutions that are tailor-made for local needs.



Shanghai Chemical Industry Park Water Research Centre

It is the first research centre in China dedicated to industrial water and industrial wastewater treatment research. The Centre is primarily engaged in research and analysis of industrial wastewater, research and development of industrial wastewater treatment and recycling technologies as well as sludge treatment and utilization solutions. The Centre now holds over 30 Chinese patents.

Chongqing Sino French Environmental Excellence R&D Centre

The Centre mainly develops environmental solutions, including applied research in operations and maintenance, process optimization, new technology testing, product quality and material testing, among others.



€103M

invested in R&D in
2020

17

research centres
around the world

30+

partnerships with
European R&I projects

650

experts and researchers in
the fields of water, waste,
air and digital technology



Shanghai Chemical Industry Park Waste R&D Centre

The Centre conducts research on improving waste-to-energy recovery, process optimisation, and development of industrial standards.

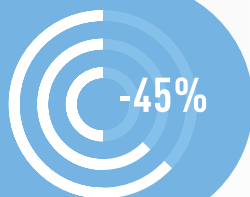
China's Green Vision: A Good Match for SUEZ

As China accelerates its green development, the country has announced the ambitious goal of peaking carbon dioxide emissions by 2030 and achieving carbon neutrality by 2060. These ambitions align perfectly with SUEZ's strategic plan and our long-term development goals.

Our ambition is to contribute to the fight against climate change as part of our strategic plan, particularly through 3 commitments for 2030, which are aligned with the 1.5°C trajectory recommended by the International Panel on Climate Change (IPCC).

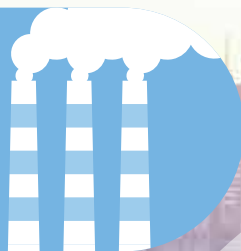
Commitment #1

Reduce direct and indirect greenhouse gas emissions from our operations by 45% by 2030*



Commitment #2

Avoid 20 million tonnes of CO₂ emissions per year by 2030 for our customers



Commitment #3

Provide our customers with 100% sustainable solutions



*reference year: 2019

In China For China

Across the past four decades in China, SUEZ has a strong history of leadership in driving sustainable development in the region. We walk the talk. We think way beyond 'just carbon'. We think 360° sustainability when we manage water distribution or waste treatment. Our solutions aim to reduce the climate change consequences on water, promote material recycling, recovery and reuse, and develop climate-responsible models to support China reaching its ambitious environmental goals.

SUEZ also invests in preserving and restoring natural capital, provides nature-based solutions and implements biodiversity action plans. By joining the Act4nature international alliance and signing the "Business for Nature Call to Action", SUEZ is realizing its nature protection targets in China.



20,000

jobs created directly or indirectly by SUEZ



700M RMB

investment to the community



12.74M m³

alternative water produced



1.17TWh

renewable energy generated



3.45MtCO₂

avoided for our customers since 2014



99%

locally-hired employees, of which 36% of management positions are filled by women

*2020 data covering business in China



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