

SUEZ ASIA

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SUEZ subsidiary Macao Water receives 'Medal of Merit - Professions' by the Macao SAR Government

On 13 January 2023, the Macao SAR Government held a ceremony to award the Decorations, Medals and Certificates of Merit for 2022. At the award ceremony, Macao Water, a SUEZ subsidiary, received a 'Medal of Merit - Professions' in recognition of the company's outstanding contributions to the field of water supply.



It's an incredible honor for Macao Water, a SUEZ subsidiary, to receive the 'Medal of Merit for Professions'. We thank the Macao SAR Government, and our other stakeholders, for their continued trust and support. This recognition of our contributions to the local water industry is a source of great pride for us. And it motivates us to keep improving our water supply services. As Macao continues its development, we will remain a trusted provider of reliable, high-quality water services through our innovative solutions and our expertise. Our offerings will provide vital support to improve the quality of life for Macao residents. And we will continue to contribute to sustainable development in Macao SAR and mainland China. ””

Francois Fevrier
CEO of SUEZ Asia
Macao Water Managing Director



Ho Iat-seng, Chief Executive of Macao SAR, presents the award to Nacky Kuan, Executive Director of Macao Water.



SUEZ wins the Group's first desalination project for an industrial customer

SUEZ, together with its partners, won an engineering, procurement and construction contract for Wanhua Chemical Group's Penglai seawater reverse osmosis desalination plant in China. The project will contribute to preserving local freshwater resources, while protecting the ecological environment, helping Wanhua and its industrial partners move along their ecological transition. This is the largest desalination project won by the Group since 1 February 2022 and the first one for an industrial customer.



Helping Wanhua and its industrial partners move along their ecological transition

As part of this action plan, Wanhua Chemical Group, a top 25 global chemical company, is planning to build a new chemical industrial park in Penglai District of Yantai City, Shandong Province. To conserve scarce freshwater resources and improve the resilience of the local water ecosystem, SUEZ has been awarded a contract to design and build a 100 MLD seawater reverse osmosis (SWRO) desalination plant with high industrial standard. The plant will use seawater as an alternative water source for the chemical industrial park. Once commissioned, the desalination plant will save more than 36 million m³ of freshwater per year.



100 MLD

seawater reverse osmosis
desalination plant



36+ million m³

freshwater saved per year

Designed with the principles of circular economy in mind to lower carbon emissions and facilitate water reuse

Designed with the principles of circular economy in mind, the SWRO desalination plant will treat water that is discharged by the direct cooling system of an adjacent power plant. In the power plant, nearby seawater is used as part of the cooling system. As a result of this process, heated seawater helps cut down electricity consumption through reverse osmosis. In turn, this results in lower carbon emissions compared to those generated by directly drawing seawater.

SUEZ acquires wastewater treatment plant in Meishan Pickles Industrial Park and assumes operatorship

SUEZ and its partner Sichuan Dayi Water recently completed the acquisition of a wastewater treatment plant (WWTP) in the Meishan Pickles Industrial Park and were awarded a 30-year concession contract by the local government to provide specialized and high-quality industrial wastewater treatment services that promote green development of the Park as well as Meishan City.

Following the acquisition, SUEZ and Sichuan Dayi Water have jointly taken over the operation and management of the first phase of the WWTP project in the Meishan Pickles Industrial Park. By adopting its world-class treatment processes and managerial expertise, SUEZ provides safe, stable and high-quality industrial wastewater treatment services to enterprises in the Park. Currently, Phase I of the WWTP project has a treatment capacity of 19,800 m³/day. Subject to its development needs, Phase II and Phase III of the project will be carried out later, bringing the total treatment capacity to 50,000 m³/day.

Drawing on its experience and competitive strengths with industrial park management, SUEZ will significantly improve the stability and reliability of the operations of wastewater treatment. The project will also produce alternative water to reduce water consumption. Approximately 280,000 m³ of alternative water will be generated and used as flushing water each year.



future total treatment capacity
50,000 m³/day



280,000 m³/year
alternative water generated in Phase I



We welcome SUEZ's involvement in the Pickles Industrial Park to provide specialized industrial wastewater treatment services and to promote the green development of Meishan City. We look forward to further expanding our cooperation with SUEZ to provide high-quality environmental services and jointly improve the ecological environment. 

Quan Daming
Chairman of Sichuan Dayi Water



It is truly encouraging to see SUEZ and Sichuan Dayi Water joining hands for the third time to contribute to the ecological environment in Sichuan. I am confident that, based on our decade-long track record of partnership with Sichuan Dayi Water in managing municipal wastewater treatment projects in Shuangliu County, Chengdu, and Chongzhou, SUEZ is surely in a position to expand our water and waste services to customers through our resilient and innovative solutions. 

Francois Fevrier
CEO of SUEZ Asia

SUEZ further develops water business in Sichuan Province

SUEZ, Sichuan Development Guorun Water Investment Co., Ltd. and Sichuan Dayi Water Co., Ltd. established a joint venture with the equity of 40/45/15. The joint venture will focus on business of equipment supply and technical services for industrial wastewater treatment projects, municipal wastewater treatment projects, drinking water treatment projects, as well as investment, M&A, construction, operation, management, maintenance, consultant services and technical development services of the said projects.

About Sichuan Development Guorun Water Investment Co., Ltd.

The company is the water industry investment vehicle under Sichuan Development Holding Co., Ltd., which is fully owned by the Sichuan People's Government. As of September 2022, the total asset is RMB1,730 billion. Its main businesses are investment, M&A and asset management in the industries of ecological and environmental protection, advanced materials, biopharmaceutical, aerospace and innovative technologies. Its business spans in 20 provinces and municipal cities across China and 45 countries and regions globally.

About Sichuan Dayi Water Co., Ltd.

It is a subsidiary of Sichuan Dayi Industrial Group Co., Ltd. Its main businesses are investment, construction, operation, management as well as technical consultant services for wastewater treatment.



SUEZ in Sichuan

In Sichuan, further to providing municipal and industrial wastewater treatment services, SUEZ was also awarded the largest independent sludge incineration project in southwest China in 2022, providing safe and reliable sludge disposal services for downtown Chengdu. Additionally, in its capacity as a member of the International Advisory Board of the Chengdu Municipal Government since 2016, SUEZ has been contributing to Chengdu's sustainable development and low-carbon transition.



SUEZ wins farmland remediation service contract

SUEZ via its joint venture, Derun Simbond, signed a contract with Zhongmin Technology (Beijing) Co., Ltd. to provide soil remediation services with resilient and innovative solutions to upgrade 3,000 mu of dry farmland to hydroponic land. Upon the completion of the project, the yield of the farmland will be richer and safer to human health. The farmers can increase their income, and it will also facilitate the sustainable development of local agriculture as well as drive the ecological transition.

According to the contract, SUEZ will remove the surface soil, which is mainly red soil and not easy to sustain water, level the land, raise paths on the land and build irrigation and drainage facilities. After that, SUEZ will mix the surface soil with organic fertilizer and put it back onto the farmland. SUEZ needs to ensure the water can be sustained in the farmland and will be responsible for 3-year maintenance of the hydroponic land.



Upgrade 3,000 mu of dry farmland to hydroponic land

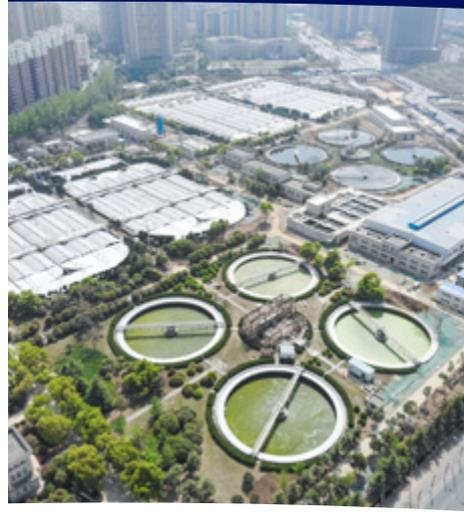
SUEZ wins equipment supply and technical service contracts

Helping clients achieve zero discharge through SUEZ's first wastewater treatment project for the pharmaceutical industry



SUEZ provides a pre-treatment system, reverse osmosis desalination system, RO concentrate evaporation, together with a drying system and deep desalination system, through mixed-bed ion exchange for RO permeate, to remove nitrogen and phosphorus and ultimately achieve zero discharge. Every year, 15 tonnes of phosphorus discharge is avoided, and 230 tonnes of solid waste is reduced.

Helping Hunan's Hengyang Wastewater Treatment Plant improve effluent quality for direct discharge to local water environment



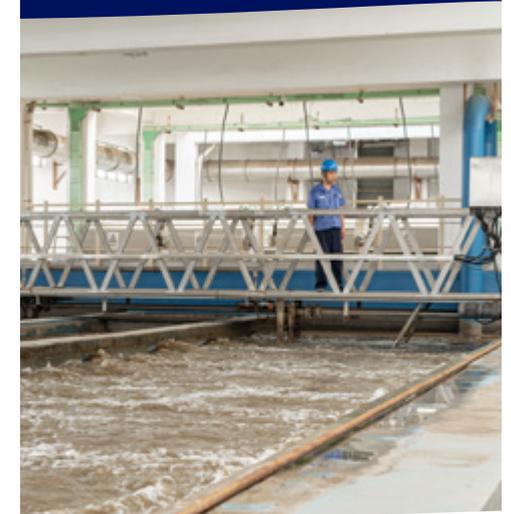
SUEZ provides Densadeg® system equipment and technical services as well as a related automation control system for the wastewater treatment plant. With the help of SUEZ's systems, the plant will improve effluent quality, thereby minimizing the impact of direct discharge to the local river. This, in turn, will protect the water environment in the historical city, phosphorus discharge is avoided, and 230 tonnes of solid waste is reduced.

Helping mining wastewater treatment plant in Xi'an achieve zero discharge



SUEZ provides treatment process design, Densadeg® pre-treatment system equipment and technical services for a mining wastewater treatment plant in Xi'an, which can significantly reduce contents of silicon and solid suspensions as well as total hardness in wastewater. By ensuring the subsequent stable operation of the membrane system as well as the evaporation system, zero discharge can thus be achieved.

Providing tertiary treatment systems for qualified discharge to strengthen competitiveness in Changshu Economic and Technological Development Zone



SUEZ provides multiple tertiary treatment systems, including Densadeg®, Aquazur V filters, activated carbon adsorption units and related technical services to the wastewater treatment plant in the Changshu Economic and Technological Development Zone. SUEZ will ensure that the effluent complies with local discharge standards and will help companies in the Zone maintain uninterrupted operations, thereby strengthening the Zone's competitiveness.

SUEZ wins smart water solutions contracts

Providing leakage detection and water quality monitoring solutions to wastewater treatment plant in Changshu



SUEZ will provide a monitor and control system for Jiangsu Sino French Water's Xinzhuang WWTP. The system, which is based on SUEZ's AQUADVANCED® Urban Drainage, has multiple functions. These include online monitoring of the wastewater pipeline network, data analysis, abnormal situation detection, performance evaluation, wastewater intrusion analysis, real-time water quality predictions, dispatching coordinates for the plant, pumping stations and a pipeline network. The system is a valuable tool to inform operators' decisions.

Helping WWTP in Chengdu build a smart control platform



SUEZ is collaborating with Roll-Link to provide full process digital solutions to a wastewater treatment plant in Chengdu. In this project, SUEZ is providing AQUADVANCED® Plant, a smart system, to support decision-making. The system will help optimize the treatment process and reduce the amount of chemicals and energy consumed by end users.

Enhancing Tanggu Sino French's clean drinking water pipeline network with ice pigging solutions



After a 3-month on-site investigation, SUEZ chose six sections of Tanggu Sino French's drinking water pipeline network to implement an ice pigging pilot project. Experts constantly improved the plan to ensure the project runs safely and efficiently. Upon the completion of the project, the quality of drinking water delivered to end users is even better.

Using AQUADVANCED® Plant solution to help Changshu Kaifu WWTP improve performance



SUEZ recently signed a contract with Hunan Xinyuan Co., Ltd. to provide the AQUADVANCED® Plant solution to improve the plant's wastewater treatment performance. The plant's treatment capacity is 250,000 m³/day and the effluent will comply with Surface Water Class IV Standards. SUEZ will also provide a precision aeration system, which will cut energy consumption by 7%.

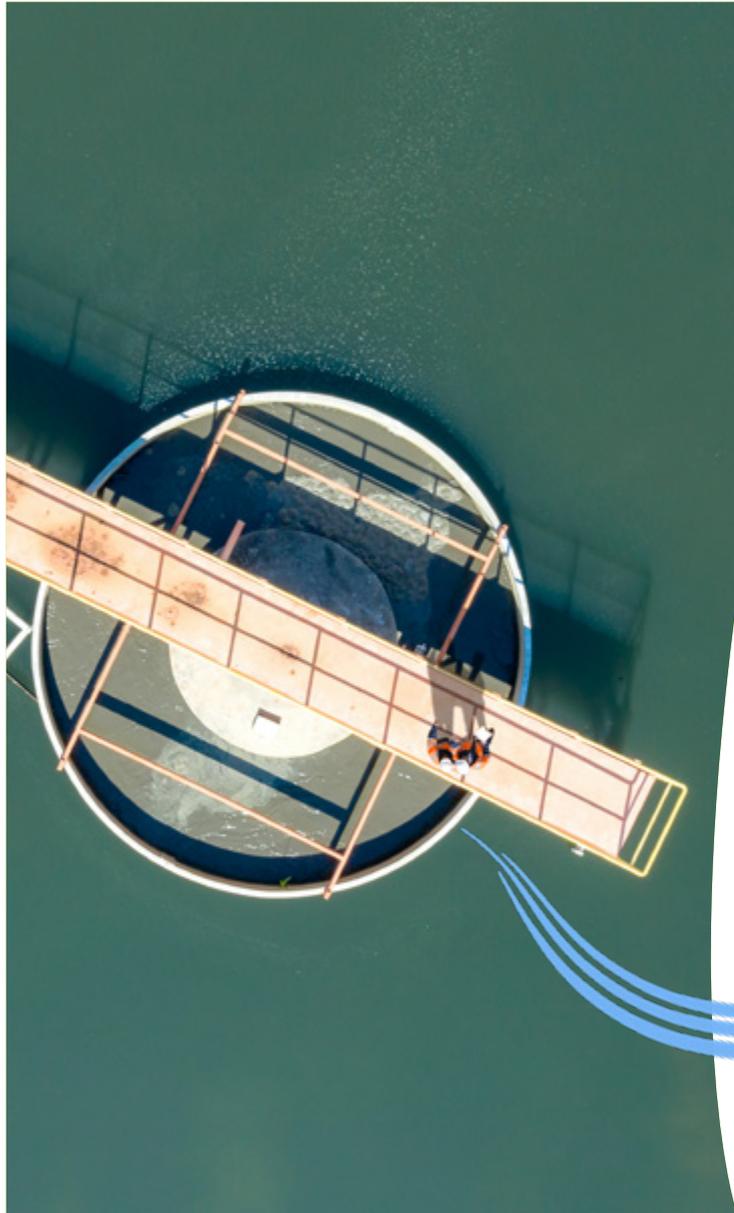
Setting up a smart platform to monitor and manage water in Yunnan's Yangzonghai



SUEZ collaborated with the Yunnan Research Academy of Eco-Environmental Sciences to build a smart platform that monitors and manages water in Yangzonghai, Yunnan Province. SUEZ will contribute to R&D of the data collection system for water in the lake as well as smart monitoring and decision-making systems for the lake's water and ecological environment.



Sustainable Development Ambitions and Commitments 2023-2027



3 pillars

climate, nature and social



24

commitments



43

key performance indicators

SUEZ plays a key role in addressing communities' sustainability issues, through its business activities in water cycle management and waste recycling and recovery. Under its corporate strategy presented in September 2022, SUEZ wishes to go even further by setting ambitious sustainable goals. On 31 January 2023, SUEZ unveiled its new sustainable development goals for 2027 and beyond, through 24 commitments revolving around three pillars: climate, biodiversity and social responsibility.



Solid governance framework for implementing sustainable roadmap

These commitments will be implemented across all the Group's activities and in all the geographies in which it operates. It will be supported by a solid governance framework at Group level.

The Executive Committee will oversee the delivery of the roadmap, and the Group's shareholders will monitor its deployment by means of a quarterly CSR committee made up of representatives. Within the framework of the annual non-financial performance statement of the Group, an annual review of the roadmap will be prepared including an audit by an independent third party of the main commitments.

A solid governance framework has been created through 43 performance indicators dedicated to monitoring the implementation of these commitments. All the indicators will be shared once a year to publicly communicate on the progress made by the Group with respect to these commitments.

“ Standing still is for the photo, not for our sustainability actions. ” — Sabrina Soussan



Climate

Contributing to energy decarbonization

- Make our own energy consumption more sustainable
- Maintain European electricity self-sufficiency
- Contribute to the low carbon energy transition in communities

Decarbonizing SUEZ value chain

- Reduce direct greenhouse gas emissions, indirect emissions linked to energy consumption and other indirect emissions

Adapting all priority and vulnerable sites to climate change



Nature

Preserving resources

- Limit our impact on fresh water
- Support recycling and reuse

Growing nature regeneration capacities of SUEZ

Adapting all priority and vulnerable sites to climate change

- Roll out 'Nature' action plans at all priority sites managed by SUEZ
- Prevent microplastics and micropollutants in natural environments
- Reach zero phytosanitary products used on sites managed by SUEZ
- Contribute to reduce the land artificialization pace
- Remove invasive non-native species
- Drastically reduce light pollution of SUEZ installations



Social

Guaranteeing compliance with universal values

- Enforce basic rights among our value chain
- Make Health & Safety our top priority each and every day

Growing skills and fostering employee engagement

- Promote equal opportunities
- Foster collective engagement
- Eliminate the gender gap
- Upskill our teams

Contributing to the sustainable development of communities, everywhere we operate

- Support access to basic services
- Contribute to local wealth and inclusion for all



Expansion project in Hainan Dongfang Industrial WWTP completed

In 2018, the 50/50 JV set up by SUEZ and CNOOC took over the operation and management of the existing wastewater treatment plant in Hainan Dongfang. It is also responsible for improvements of operational standards and retrofit of facility as well as further expansion and operation through the BOO contract.

The expansion project was completed by end of 2022, with a new 2-propanenitrile pre-treatment line of 4,800m³/day and a treatment capacity of 16,800m³/day, while the tertiary treatment line is also increased by 4,800m³/day.



16,800 m³/day

total wastewater treatment capacity



Qingdao Dongjiakou Industrial WWTP expansion project completed

Invested, built and operated by SUEZ and its partner, Qingdao Dongjiakou WWTP is providing industrial wastewater and municipal wastewater services to the Qingdao Dongjiakou Economic Zone.

In December 2022, the expansion project for industrial wastewater reuse from Qingdao Special Iron & Steel was completed. The treatment capacity is 12,000m³/day.



37,000 m³/day

total wastewater treatment capacity



85%
employees in Asia
responded to the survey



82%
overall engagement
score of Asia

Listening to employees' feedback and taking continuous improvement actions to boost engagement is one of the key commitments of the new SUEZ Group management. Following the first Pulse survey in April 2022, the Group launched the second survey in January 2023, which reaped very positive results.

Thanks to all colleagues' participation. SUEZ Asia management will take improvement actions

SUEZ Asia management will spare no effort to continuously take improvement actions to make SUEZ Asia the best workplace for our employees.

PULSE 2023 employee survey



Overall, 85% of the employees in Asia responded to the survey, as compared to 56% at Group level. In our Hong Kong, Singapore and Philippine offices, the response rate even reached 100%. Considering the COVID outbreak in China during December 2022 and January 2023, as well as the Chinese New Year holiday in mid-January, this participation rate is more than satisfactory, demonstrating the enthusiasm and passion of our staff to work.

The overall engagement score of Asia is 82%, in comparison to the 67% at Group level, and 79% of Asia in April 2022. This engagement level is also 19 points higher than the market benchmark. Here are a few highlights:

- Health & Safety remains the top strength of SUEZ Asia. This is a strong recognition by our employees, and we have no room for complacency. The H&S team, along with the management team, will continue to invest in this critical area without hesitation.
- Social responsibility, diversity and customer focus continue to be well accepted by our employees as our strength.
- Compared to April 2022, the biggest improvement is on the confidence of SUEZ's future, where 76% of respondents felt positive, a 13% increase from April 2022. This reflects understanding and agreement of the Group strategy, and recognition of all the efforts that SUEZ Asia management has made to implement the Group strategy so far.

What is also worth mentioning is that many colleagues provided comments to the open questions. The input is undoubtedly valuable for the company to take further improvement actions, especially in areas where the survey results revealed issues and concerns.



The 'Water Demand Prediction Software for Water Treatment Plants', a result of Chongqing Sino French Water's research, has been granted a computer software copyright by China's National Copyright Administration. The system automatically captures weather data, historical records of water supply volume and special calendar events. It integrates local team experience in water production dispatching and can predict water supply volume 24 hours into the future. Since its commission in May 2022, the difference between the predicted data and actual data has been just 4.8%.

Chongqing Sino French Water granted computer software copyright by the China National Copyright Administration



Chongqing Excellence R&D Center was recently named 'Outstanding Innovative Member Enterprise for 2022' by the China Environment Chamber of Commerce, in recognition of its large-scale and well-developed technological research activities as well as its innovation capability. Around 40 companies in the environmental industry were honored at the award ceremony.

Chongqing Excellence R&D Center named 'Outstanding Innovative Member Enterprise for 2022' by China Environment Chamber of Commerce



Suzhou Sino French maintains positive employer-employee relations by creating a healthy and safe workplace and respecting the principles of diversity and inclusion. Recently, the JV was named 'Harmonious Employer-Employee Relationship Enterprise in Suzhou'. The JV was also included in the 'Second Batch of Demonstration Environmental Enterprises in Suzhou' for its safe, reliable sludge treatment process that is energy efficient and promotes waste recycling.

Suzhou Sino French named 'Harmonious Employer-Employee Relationship Enterprise in Suzhou'



On 11 January 2023, Macao Water received an accolade from Bosco Youth Service Network, in appreciation of its support for the association's social services and charity activities that are geared towards the younger generation.

Macao Water honored in recognition of its support for youths



For the second time since 2019, SCIP Sino French was named 'Shanghai Environmental Education Base' in 2022. The honor is given in recognition of the JV's continuous efforts to promote environmental and ecological education. It also recognizes SCIP Sino French's efforts to fulfill its corporate social responsibility through a mix of activities, like organizing public visits to its plant, helping underprivileged residents from nearby communities and organizing environmental forums.

SCIP Sino French named 'Shanghai Environmental Education Base' for second time



SUEZ Environmental Technology was the first foreign environmental company in environmental sector to be granted the 'Beijing Foreign-Funded R&D Center' certificate by the Beijing municipal government in February 2023. Other renowned international companies which won the same certificate include Microsoft, Siemens, P&G and MARS. This fully reveals the high recognition of the Beijing government to SUEZ's sound R&D capability. The certificate will bring benefits to SUEZ in terms of R&D development, such as receiving R&D subsidy from the government, enjoying free talent service as well as intellectual property funding.

SUEZ Environment Technology granted 'Beijing Foreign-Funded R&D Center' certification

Visits and exchanges



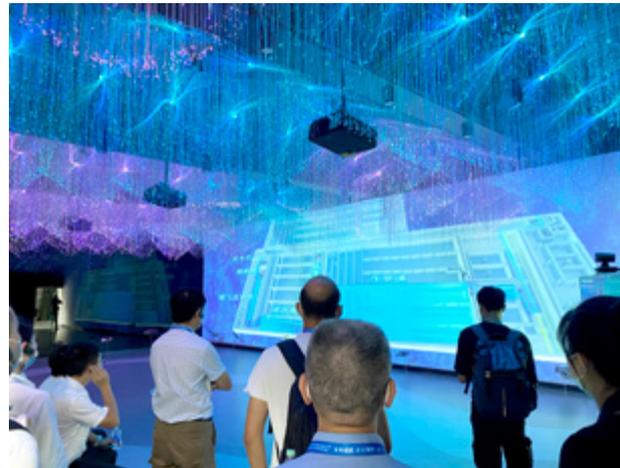
Laura Sun, SVP of SUEZ Asia, was invited to the opening ceremony of the 4th World Science and Technology Development Forum (WSTDF) and the parallel forum on Cooperation between Academicians and Multinational Companies, where she exchanged with other participants on technology innovation, sustainable development and more. During the forum, Laura met with Xie Ruiwu, Deputy Secretary of the CPC Chengdu Municipal Committee.



Chang Xu, General Manager of Changshu Urban Investment Company, led a delegation to visit Jiangsu Sino French Water for production safety issues before the Spring Festival.



Xing Peng, Mayor of Panjin City, led a delegation to visit the operation staff of Panjin Sino French before the Spring Festival.



Macao Water and SUEZ Smart Water JV took part in the 4th Greater Bay Area Water Forum and the 14th Shenzhen, Hongkong, Zhuhai and Macao Water Supply Academic Exchange Meeting, which facilitated exchanges in the water industry.



Wu Xiaolin, Deputy Director of Chongqing Municipal Bureau of Geological Exploration, led a delegation to visit Chongqing Changshou Sino French to learn more about the WWTP's daily operation. Ms. Wu commended the plant's standardized management and the efficient wastewater treatment process.



Leading Malaysian water operator visits two water treatment plants built with SUEZ's UCD technology

In early February 2023, SUEZ's water experts accompanied a delegation from SAMB (Syarikat Air Melaka Berhad), Malaysia's leading water operator, in a visit to Losong Package WTP and Pulau Bahagia WTP, which have a respective water treatment capacity of 20,000m³/day and 44,000m³/day and rely on SUEZ's UCD technology to provide clean drinking water to around 400,000 residents in the State of Terengganu. This visit was hosted by Chief Executive Officer Ts. Abdul Karim Endut of Syarikat Air Terengganu (SATU) Sdn Bhd, owner of the two plants. The visit reflects the high recognition of SUEZ's UCD technology in the local water industry.



French delegation visits SUEZ Shanghai Office

Representatives from the General Consulate of France in China and French Consul General in Shanghai, together with delegates from the China Institute of Water Resources and Hydropower Research (IWHR) and the China Electronic Technology Group Corporation, visited the Shanghai Office on 23 March 2023. SUEZ representatives held an in-depth discussion with the delegation on how smart and digital solutions can contribute to more efficient water resources utilization and risk control such as urban flooding prevention.



Qingdao Water Group Chairman visits Qingdao Sino French Hairun to conduct research on digital management

Xia Zhengqi and Sun Wei, respective Chairman and General Manager of Qingdao Water Group, led a 30-member delegation to visit Qingdao Sino French Hairun. They learnt about the JV's digital management model and the utilization of PowerBI to support the plant's daily operation.

Sharing of SUEZ Asia Grand Innovation 2022 projects



Energy conservation optimization of submersible agitators and setting up of evaluation system in wastewater treatment plants

Water Operations – Chongqing Tangjiatuo

Setting up an efficient and energy-saving operation control platform for submersible agitators in biological tanks by integrating flow field analysis

After a long period of continuous operation, it is unlikely to know the performance of submersible agitators in the wastewater treatment plant's biological tanks through routine maintenance. Therefore, Chongqing Tangjiatuo wastewater treatment plant has set up a simulation system and an evaluation system for 136 units of agitators with a daily power consumption of 15,000 kWh. The main features of the platform include: using the CFD tool to simulate the whole flow field in the biochemical tank to study the flow field distribution and sludge distribution; 3D scanning of various types of agitators so as to ensure the accuracy of flow field analysis; establishing a full cycle evaluation system with flow field analysis, performance monitoring, energy consumption monitoring and KPI judgment; building a control platform to achieve auto operation for agitators. It is estimated that upon using the system, the plant can save over 800,000 kWh in electricity consumption each year.





Exploration and application of 3D GIS in Chongqing Changshou Sino French's water supply and drainage pipeline network

Water Operations – Chongqing Changshou

Application of 3D GIS to achieve lean management and visualized management

By using the GIS and 3D technologies, Chongqing Changshou Sino French has mapped the layout of the pipeline network that enables the operator to provide real and accurate network data so as to achieve integrated management for both water supply network and wastewater drainage network. With systematic monitoring of the pipeline and equipment, the system provides reliable data for daily operation, design and construction, as well as analytical and statistical modelling, eventually achieving lean management and visualized management. The water balance statistical analysis model is introduced to the system to help predict water supply and drainage demand needs of new enterprises in the industrial park by accurately analyzing the water consumption volume and the wastewater discharge volume of industrial clients, thereby optimizing capacity allocation of water treatment plants as well as wastewater treatment plants .

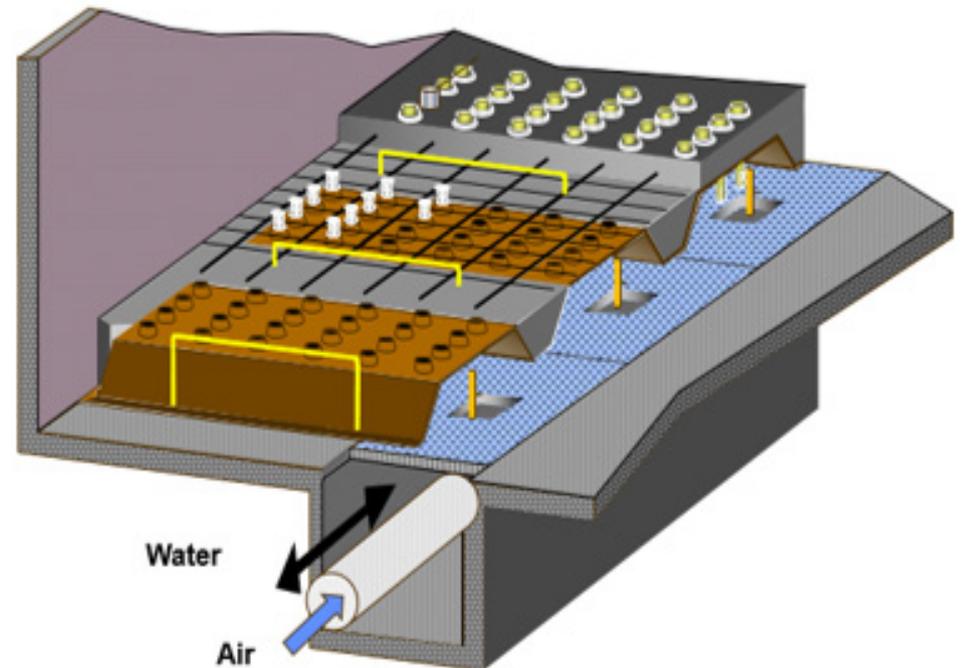


Master N+1 options of water & air distribution in filters

SUEZ Environment Technology

Develop a variety of filter water and gas distribution forms based on the core process of SUEZ filter

In consideration of upgrading a wastewater treatment plant in the same location, building a plant with special design due to intensive land use or one with limited hydraulic elevation of underground wastewater treatment facilities, and meeting a tight construction or upgrading deadline, SUEZ has worked out many options for filter tank design by altering the filter tank water and air distribution. For instance, SUEZ has invented the monolithic filter plate with Azurfloor that can be adopted to different types of filter tanks. The invention has been applied in some construction projects and it has great potential to be promoted in other future projects. Another example is the water and air distribution system with U-shaped distribution pipes, whose design has been optimized and acts as an important tool for water and air distribution, which makes it ideal to be used for wastewater treatment plant upgrading projects at the same location.



We care for our community



SCIP Sino French and SCIP SITA led a delegation to visit underprivileged residents and elderly people in nearby communities, and made donations in cash and kind.



Jiangsu Sino French Water and a local police station in Changshu City signed an agreement to enhance communication and cooperation on security and anti-terrorism for water treatment plants, water supply safety and other issues.



Over 20 families of staff from a Changshu police station visited Jiangsu Sino French Water, and learnt about water sampling, pH value and turbidity testing under the guidance of our experts. They also experimented with the drinking water treatment system model and witnessed how water was treated. This helps to cultivate people's awareness of water conservation from an early age.



Macao Water has hosted the 'barter' activity for the second consecutive year to encourage its staff to exchange unused items to promote waste recycling and reuse. Members of a Macao Special Olympics training class were also invited to make drinks on site to sell, which is a good way to help them learn a skill and integrate into society.



SUEZ supports United Nations Youth Navigator Program

To follow the Chinese Government's advocate to nurture young talents who are keen on climate change issues, public sanitation, technology innovation and other global hot issues, so as to help Chinese university students learn more about the sustainable development management system, the United Nations (UN) Youth Navigator Program has chosen Macao Water, a subsidiary of SUEZ, to be one of the practice bases. On 8 February 2023, around 50 students from the program exchanged with SUEZ experts on actions taken by Macao Water to meet UN's Sustainable Development Goals. The management teams from SUEZ Asia and Macao Water welcomed the students and had in-depth exchanges on environmental protection issues that both parties are concerned about.



Macao Water supports 'Save Water' campaign for 7th consecutive year

Macao Water supported the 'Save Water' campaign, organized by the Macao Government, for the 7th consecutive year. During the campaign, participants were asked to carry water while walking along a mountain trail, to help them understand how hard it is for people in remote areas to get water. Macao Water also purchased 500 packs of Oxfam Rice to support the charity organization in raising funds to supply clean water and build sanitation facilities for deprived areas worldwide.



SUEZ Asia Water Operations annual meeting

On 28 February 2023, SUEZ Asia Water Operations organized its annual meeting in Zhuhai, Guangdong Province. The partners from Chongqing, Yangzhou, Panjin, Shaowu, Changshu and Shanghai were invited to discuss with SUEZ about the latest trends and outlook of the water industry. The meeting was attended by over 250 participants, consisting of Water Operations staff and colleagues from SUEZ Environmental Technology, Recycling & Recovery, as well as Smart & Environment Solutions, during which they reviewed the Group's performance in Asia in 2022 and defined the development plan for 2023.





SUEZ celebrates International Women's Day

The UN's theme for this year's International Women's Day is 'DigitALL: Innovation and Technology for Gender Equality'. At SUEZ, we encourage women to work on STEM fields and we are committed to creating a diverse and inclusive workplace where female employees could focus on exploring their own inspiring career.

Now let's see how SUEZ female experts contribute to the environmental industry.



I am passionate about hazardous waste disposal. I look forward to learning and making improvements in my profession, one in which I can leverage my specialized skills and knowledge, and that shoulders great responsibility. 

Cheng Liping



Even the strongest fortress can be seized. Even the most difficult book has readers. I will never be tired of the daily process of finding sparks of innovation and making technological breakthroughs in the lab. It is both exciting and gratifying. 

Emma Ma



I believe in the use of mathematics and science to design the world, so I became an engineer. 

Toh Zhiyun



The act of trying will gradually become a will to win, a relentless spirit. Passion is an intangible asset that can never be exhausted. 

Ji Hua



Chemistry is all around us, it provides convenience but may also bring about risk. I enjoy challenges as well as the process of learning, understanding, mastering and making chemicals so they can serve us better. ””

Chen Yanfei



My curiosity about the unknown drives me to keep learning. The clear division of responsibility and conducive team dynamics pave the way for my steady progress at work. ””

Kou Yanna



When I reflect on my best memories, most of them had to do with nature. Working at SUEZ means I can be a friend and a steward of nature. ””

Dora Zhang



Water is the source of life, the core of industry, and the heart of cities. I want to do my best to stop leakage and minimize water loss. This is a job I love. ””

Qin Dongmei



I've always wanted to make a positive impact on environmental protection. As a chemical engineer, I have limitless opportunities to contribute. Now, I get to promote solutions that address challenges in the water industry. ””

Elaine Gonzales



It's fascinating to play a role in the water and waste cycle, giving back to the planet by helping industries make environmentally-conscious decisions. ””

Lydia Yip

Conflicts of interest

A conflict of interest is a situation in which the judgment of a person who is acting in a professional capacity may be influenced by a secondary interest, distinct from that of the company. This is the case when an employee finds himself/herself in a situation where he/she might make a decision not on the grounds of the company's interests, but rather on the grounds of personal interests, or those of a relative or friend.

All Group employees are obliged to avoid all situations where their interests could conflict with those of the Group or of any of its entities. Even the appearance of a conflict of interests can be negative for the Group.

You must report any conflicts of interest you may encounter to your manager.

Question:

My entity is set to enter into negotiations with an industrial client. A relative of mine holds a management position in this company, with decision-making power over the project.

What should I do?

Answer:

Even if you are not directly involved in these negotiations, you should notify your management and your entity's ethics officer so that relevant measures can be taken in the light of the situation.



any questions, please send email to:
ethics.asia@suez.com

Health & Safety manager's guide

Managers play a critical role in ensuring the implementation of SUEZ's health and safety strategy. Therefore, SUEZ has identified eight principles and duties for the managers.



Ensure a healthy and safe work environment

Ensure that 'life-saving rules' are applicable and applied in every situation and at all times.



Employee engagement

Fostering dialogue and sharing of 'life-saving rules' is a condition to ensure they are applied and that they are adopted and respected by the staff.



Knowing how to promote good behavior

Frequent recognition is a certain way of boosting people's commitment to improving behavior, reporting of difficulties and errors, and taking pro-health and safety initiatives.



Ensuring progress via the managerial safety visit

Observing and discussing in order to effectively understand and take action in working environments.



Lessons learned

Know how to discriminate events reported, detect, analyze and prioritize those with high severity potential to avoid those that are really serious.



Applying fair discipline

The discipline must not negatively impact collective vigilance. An unfair discipline will discourage reporting of errors, leading to a climate of mistrust and discouraging employees from taking safety initiatives.



Ensure subcontractors adhere to our safety rules

Our 'life-saving rules' and our 'hygiene rules' also apply to personnel from external companies who provide services to SUEZ.



Knowing how to balance safety with other priorities

In the context of any and all company decisions, health & safety factors are always considered to ensure that we categorize and assess the potential impact of decisions compared with other factors and that an agreement is made for appropriate management.

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中 中文版

 suez



苏伊士旗下澳门自来水 获澳门特区政府颁授“专业功绩勋章”

2023年1月13日，中国澳门特区政府举行2022年度勋章、奖章和奖状颁授典礼，苏伊士旗下澳门自来水获颁授“专业功绩勋章”，以表扬其在供水专业领域方面作出的杰出贡献。



苏伊士旗下澳门自来水获得澳门特区政府专业功绩勋章意义非凡，在此衷心感谢澳门特区政府和社会各界一直以来的鼎力支持和信任！这份荣誉让我们深感自豪，这既是对我们为澳门供水事业作出贡献的高度认可，亦是对澳门自来水供水服务的鞭策和激励。我们将再接再厉积极融入澳门社会发展，一如既往以创新的解决方案和专业技术，成为可靠和优质的供水服务供应商，为市民生活质量的提升提供有力保障，为国家和特区的可持续发展作出新的贡献。



方恒业
苏伊士亚洲地区首席执行官
澳门自来水董事总经理



澳门特别行政区行政长官贺一诚向澳门自来水执行董事关小冰颁发勋章。



苏伊士获得 其首个工业客户 海水淡化项目

苏伊士在中国携手合作伙伴中标万华化学集团蓬莱海水淡化项目 EPC 工程总包项目。该项目将在节约淡水资源的同时保护生态环境，助力万华及其工业合作伙伴实现生态转型。这是集团自 2022 年 2 月 1 日以来中标的最大海水淡化项目，也是首个工业客户项目。



助力万华及其工业合作伙伴实现生态转型

作为行动计划的一部分，在山东烟台蓬莱，全球化工品牌前 25 强企业万华化学集团计划建设新的化学工业园区。为了节约稀缺的淡水资源，提升当地水生态系统韧性，苏伊士将为其设计并建造一座 100 MLD 的高工业标准反渗透海水脱盐工厂，将淡化海水作为化学工业园区的替代水资源，建成后每年将节约逾 3,600 万立方米淡水。

建设
100 MLD
反渗透海水脱盐工厂

每年将节约
3,600 + 万
立方米淡水

设计考量循环经济原则，有助减少碳排放，促进水资源再利用

蓬莱海水淡化厂在设计时将循环经济原则纳入考量，将处理邻近电厂的海水直冷系统排水，该电厂取附近的海水作为冷却水源。与直接从海中取水的工艺相比，经直冷系统“加热”后的海水将节省反渗透工艺的电耗，有效减少碳排放。

苏伊士收购并正式运营 四川眉山泡菜园区工业污水处理项目

苏伊士及合作伙伴四川大一水务共同完成眉山泡菜园区污水处理厂项目的收购，并获得当地政府授予 30 年特许经营权，提供专业和优质的工业污水处理服务，推动园区及眉山市的绿色发展。

苏伊士及四川大一水务在完成收购后共同接管眉山泡菜园区污水处理厂一期项目的运营和管理。通过引入苏伊士在全球的处理工艺和管理经验，苏伊士为园区企业提供安全、稳定和优质的工业污水处理服务。该污水处理厂一期项目现有日处理能力为 1.98 万立方米，根据发展需要还将开展二期及三期项目的建设，届时总处理规模将达到每天 5 万立方米。

凭借在工业园区管理方面的经验和优势，苏伊士将大幅提升该项目污水处理系统运行的稳定性和可靠性。该项目还将生产替代水以减少水资源的消耗，每年约有 28 万立方米替代水用于污水处理系统的冲洗水。



5 万立方米 / 日

未来总处理规模



28 万立方米 / 年

一期项目产生的替代水用于污水处理系统冲洗



这次苏伊士入驻泡菜园区提供专业化的工业污水处理服务，促进眉山市的绿色发展，我们期待未来与苏伊士继续进一步扩大合作，持续提供高质量的环境服务，共同优化生态环境。▶▶

全大明
四川大一水务董事长



苏伊士与大一水务第三度携手共同为四川的生态环境作贡献着实令人振奋。我深信，基于这 10 年来我们双方在成都双流和崇州市政污水处理项目上积累的经验，苏伊士必定能通过其富有韧性和创新性的解决方案为客户提供更多水务和固废服务。▶▶

方恒业
苏伊士亚洲地区首席执行官

苏伊士继续拓展四川水务

苏伊士、四川发展国润水务投资有限公司以及四川大一水务有限责任公司以 40/45/15 的股权比例成立四川发展苏伊士环境科技有限公司。合作公司将致力于四川省乃至中国的工业污水处理、市政污水处理、饮用水处理项目提供设备系统集成服务，以及对相关领域开展投资、融资及建设、运营、管理、维护、技术咨询、技术开发等服务。

关于四川发展国润水务投资有限公司

四川发展国润水务投资有限公司是四川发展（控股）有限责任公司重点打造的水务产业投资平台。四川发展（控股）是四川省人民政府出资设立的国有独资企业，截至 2022 年 9 月末，资产总额为 1.73 万亿元人民币，业务主要集中在生态环保、先进材料、生物医药、航空航天、科技创新服务等领域的投融资和资产经营管理，在全国 20 个省、市以及全球 45 个国家和地区均有业务分布。

关于四川大一水务有限责任公司

公司隶属于四川大一实业集团有限公司，从事污水处理项目投资、工程建设、运营管理及相关技术咨询服务。



苏伊士在四川

在四川，苏伊士除了提供市政和工业污水处理服务外，还于 2022 年中标中国西南地区规模最大的污泥独立焚烧项目，为成都中心城区污泥的安全处置提供可靠的保证。此外，苏伊士自 2016 年开始，作为成都市人民政府国际咨询顾问团成员，为当地的可持续发展及绿色低碳转型献计献策。



苏伊士在广西获 农地综合治理项目

苏伊士通过合作公司德润新邦与中民高科（北京）控股有限公司签署合约，为广西壮族自治区崇左市江州区 3,000 亩农田进行综合治理，提供富有韧性和创新性的解决方案，使旱地升级改造为水耕地，提升耕地种粮的安全性及产量，为农民增收，促进当地农业的可持续发展和推动生态转型。

根据合约，苏伊士需要在原旱地上剥离保水性比较差的赤红表土，分割平整耕地、筑田坎、修建浇灌排水管道等；田块修筑完成后将表土和有机肥混合平铺在水田内，并确保田地的保水性；最后，还提供 3 年种植养护服务。



将 3,000 亩旱地升级为水培地

苏伊士获多项设备供货及技术服务合约

苏伊士在中国首个制药行业废水处理项目，为客户实现零排放



为江苏省苏州市工业园区礼来苏州制药有限公司污水处理厂提供预处理系统、反渗透脱盐系统、浓水蒸发和干燥固化系统以及产水混床深度脱盐系统，以去除氮、磷实现零排放。每年为客户减排约 15 吨的磷，减少约 230 吨固废产量。

为湖南衡阳市江东污水处理厂提供设备供货，提升排放到自然环境中出水的标准



苏伊士为湖南衡阳市江东污水处理厂提供 Densadeg[®] 高密度沉淀池以及配套自控系统的设备供货及技术服务，以提升出水水质，稳定达标排放到当地河道，保护历史文化名城的水环境。

为西安矿井污水处理厂提供预处理系统，助力企业实现零排放



苏伊士为位于西安的矿井污水处理厂预处理系统提供高密池工艺包设计、设备供货及技术服务，以有效去除污水中的硅、固体悬浮物等以及降低硬度，保证后续膜系统及蒸发系统稳定运行，助力企业实现污水零排放。

为常熟经济技术开发区工业污水处理厂提供深度处理系统，保障污水达标排放，提升园区竞争力



苏伊士为常熟经济技术开发区工业污水处理厂提供深度处理系统，包括 Densadeg[®] 高密度沉淀池、Aquazur V 型滤池和活性炭吸附单元工艺设备供货及相关技术服务，使污水达标排放，保障企业稳定运行，提升园区的竞争力。

苏伊士获多项智慧水务合约

为常熟污水厂的排水管网进行智慧
测漏及水质变化溯源



苏伊士为江苏中法辖下的辛庄污水处理厂提供智慧化厂站网一体化调度管控系统。该系统建基于苏伊士的 AQUADVANCED® 智慧城市排水系统，将为客户提供污水管网在线监测监控、数据分析和异常跟踪、分区分级绩效评估、外水入侵量化分析、实时在线水质预测预警和厂站网一体化优化调度等多维度的智慧化污水管网管控和决策支持工具。

助力成都污水处理厂建设智慧污水厂
管控平台



苏伊士与蓉联高科携手合作，为成都的污水处理厂提供 AQUADVANCED® 智慧厂区管理系统，为优化工艺提升绩效提供决策支持，进行预测和智能管控，以帮助终端用户节约能源和药耗等。

为塘沽中法提供碎冰清管服务清洁
供水管道



经过三个月现场勘察，苏伊士选取了塘沽中法六处输水管道作为“碎冰清管试点项目”。在施工过程中，专家组不断优化项目施工细节，确保工程顺利、安全、高效完成，提升用户饮用水水质。

提供 AQUADVANCED® 智慧厂区管理系统，为长沙开福污水厂提标增效



苏伊士与湖南鑫远环境科技股份有限公司签订协议，为长沙开福污水处理厂提供 AQUADVANCED® 智慧厂区管理系统，提升污水处理厂绩效。项目处理规模达到 25 万立方米 / 日，出水达到地表水准四类标准。苏伊士将提供一套精确曝气系统，并承诺比使用设备前节能 7%。

为云南阳宗海建立智慧监管与智能决策平台



苏伊士与云南省生态环境科学研究院等单位合作，助力云南阳宗海智慧监管与智能决策平台的研发及应用，为项目开展“智慧湖泊数据体系研究”和“水生态智慧监管与智能决策”平台的研发工作。



2023-2027 年可持续发展目标和承诺



3 大支柱
气候 | 自然 | 社会责任



24 项
承诺



43 项
绩效指标

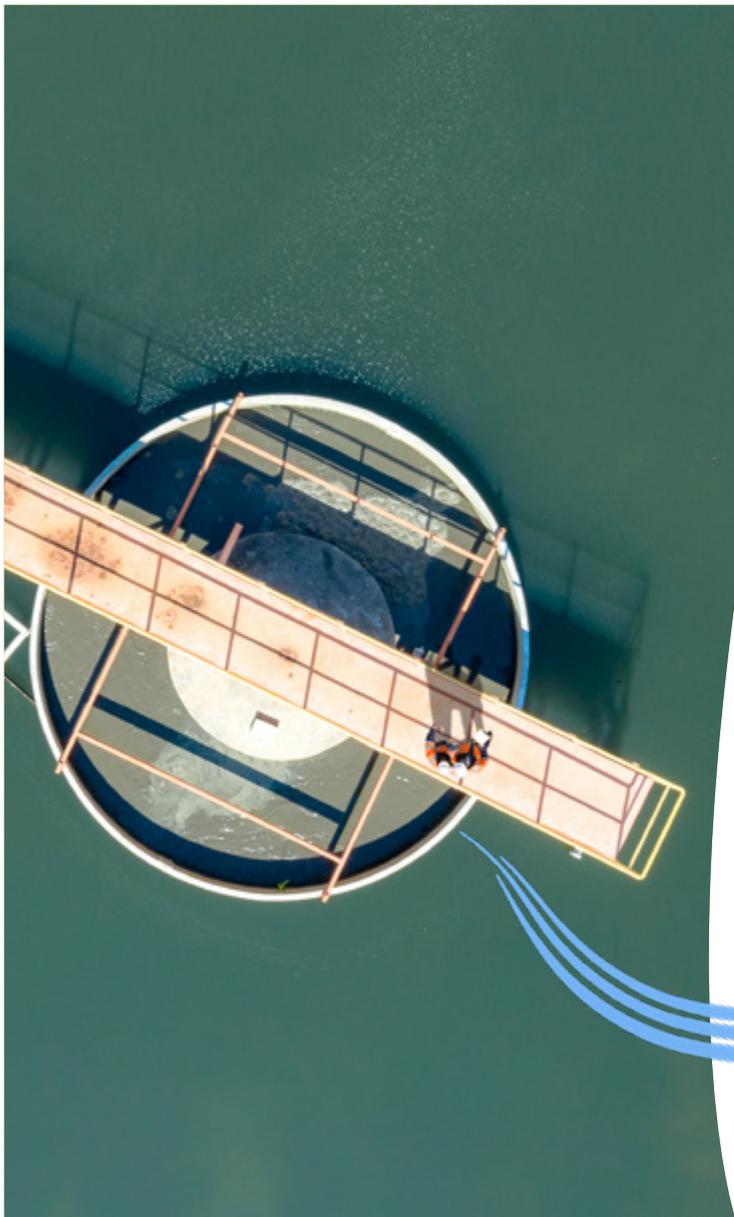
苏伊士通过开展水的循环管理以及固废资源管理业务，在解决社区的可持续发展问题方面发挥着关键的作用。按照 2022 年 9 月提出的企业发展战略，苏伊士决意迈出更大的步伐，在 2023 年 1 月 31 日，发布其面向 2027 年及之后的新的可持续发展目标，围绕气候、生物多样性和社会责任三大支柱，共包含 24 项承诺。这是苏伊士首次在气候、生物多样性保护和社会责任三大领域做出同等坚定的承诺。



实施可持续路线图的坚实治理框架

集团将在所有业务线和经营区域内落实上述承诺，并以集团层面坚实的治理框架为配套。集团执委会将负责监督路线图的实施，而集团股东将通过由股东代表每季度组成的一个企业社会责任委员会监督路线图的部署。集团将在其非财务业绩年报的框架内编制对路线图的年度审议报告，其中包括由独立第三方机构出具的对集团主要承诺落实的审计意见。

集团制定了 43 项绩效指标，并建立了一套坚实的治理框架，专门用于监督上述承诺的履行。集团每年将公开披露所有指标，以报告其在上述承诺方面所取得的进展。



“原地不动是拍照时摆出的姿态，可持续发展需要的是我们的行动”—— 苏冰岚



气候



为能源脱碳作出贡献

- 让集团的能源结构更具有可持续性
- 保持欧洲业务用电的自给自足
- 为社区的低碳能源转型作出贡献



苏伊士价值链的脱碳

- 减少直接排放、与能源消耗有关的间接排放和其他间接排放的温室气体排放量



帮助有迫切性和脆弱性的项目设施适应气候变化



自然



保护资源

- 限制我们对淡水资源的影响
- 支持资源的回收和再利用



增加苏伊士的自然恢复能力



缓解生物多样性面临的压力

- 在苏伊士管理的所有优先项目地推行自然保护行动计划
- 杜绝微塑料和微量污染物进入自然环境中
- 严禁苏伊士管理的项目设施使用控制植物病害的产品
- 帮助遏制土地人工化
- 遏制外来物种的入侵
- 大幅减少苏伊士项目装置的光污染



社会



以普世价值保障可持续发展

- 在我们的价值链上保障基本的权利
- 将健康与安全置于我们日常工作的首要位置



提高员工的技能水平及参与度

- 促进机会均等
- 促进员工的集体参与
- 消除性别差距
- 提升苏伊士员工队伍的技能水平



为我们经营所在地社区的可持续发展作出贡献

- 确保获得基础服务
- 为当地的繁荣和社会共融作出贡献



海南东方工业污水厂 改扩建项目竣工

2018年，由苏伊士与中海油合作建立 50/50 的合作公司，对当时已有的处理能力为 1.2 万立方米 / 日的污水处理厂进行运营和管理，并对污水处理厂进行改扩建。

改扩建项目于 2022 年年末已经完工，新增 4,800 立方米 / 日丙烯腈预处理工艺；深度处理规模也相应增加了 4,800 立方米 / 日，污水处理规模提升到 1.68 万立方米 / 日。



16,800 立方米 / 日

总污水处理规模



青岛董家口工业污水 处理副线建设竣工

青岛董家口工业污水处理厂由苏伊士合作公司投资、建设及运营，为董家口经济区的工业和商业客户提供工业污水处理和市政污水处理服务。

2022 年 12 月，合作公司为处理青岛特钢循环水扩建的污水处理副线项目建设竣工，新增工业污水处理能力 12,000 立方米 / 日。



37,000 立方米 / 日

总污水处理规模



85%

亚洲员工参与了调查



82%

总体敬业度得分

聆听员工的声音并持续采取改善措施以提高员工敬业度是苏伊士集团管理层的主要承诺之一。继 2022 年 4 月第一次 PULSE 员工调查之后，集团于 2023 年 1 月启动了第二次调查，结果令人鼓舞。

感谢大家的积极参与

苏伊士亚洲管理层将积极采取各项改进措施

一如既往，苏伊士亚洲管理层将积极采取各项改进措施，使苏伊士亚洲成为员工最佳的事业舞台。

2023 年员工调查



总体而言，85% 的亚洲员工参与了本次调查，而集团的参与率为 56%。在香港、新加坡和菲律宾的办公室，参与率更高达 100%。尽管 2022 年 12 月和 2023 年 1 月受中国的疫情影响，以及 1 月中旬的农历新年假期，亚洲地区的参与率仍相当高，显示了大家对工作的投入与热爱。

亚洲的总体敬业度为 82%，在 2022 年 4 月，集团和亚洲的得分分别为 67% 和 79%。亚洲这次的得分高于外部基准 19%。以下为本次调查的几个重点：

- 健康与安全依然是亚洲地区最大的优势，并得到了我们员工的高度认可。但是，我们不能自满。职安健团队和管理团队将继续在这一关键领域投放资源。
- 我们的员工认为社会责任、多元化和以客户为中心是我们的优势。
- 与 2022 年 4 月相比，最明显的改善是对苏伊士未来的信心，76% 的员工持乐观态度，比 2022 年 4 月增加了 13%。这反映了对集团战略的理解与认同，以及对亚洲管理层为实施集团战略所做的努力的认可。

另外，值得一提的是，许多同事对开放性问题提出了意见。毫无疑问，这些意见对公司实施下一步的改善计划意义重大，尤其是在调查结果中存在问题 and 疑虑的领域。



由重庆中法供水研发的“自来水厂需水量预测软件”获得国家版权局计算机软件著作权。此系统主要把气象数据、需水量历史数据、特殊日期标签等水量相关数据和本地调度经验关联结合，通过机器学习预测未来24小时的需水量。自2022年5月投用以来，预测数据与实际数据的平均误差仅有4.8%。

重庆中法供水获
国家版权局计算机软件著作权



重庆环保研发中心凭借科技活动规模、发展水平、创新能力方面的突出表现，被全国工商联环境商会评为2022年优秀创新会员企业。全国约40家环保企业获此荣誉。

重庆环保研发中心获
全国工商联环境商会2022年
优秀创新会员企业

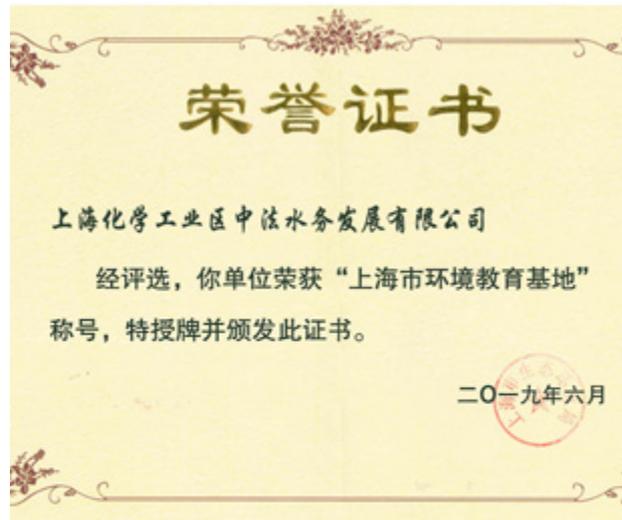


苏州中法环境致力为员工创造健康安全、多元共融的工作环境，长期以来维持良好的雇佣关系，近日获评为“苏州市劳动关系和谐企业”。另外，其污泥处理业务因处理过程安全可靠，实现节能低耗和循环利用而入选“苏州市第二批环保示范性企事业单位”。

苏州中法环境获评
苏州市劳动关系和谐企业



澳门自来水于1月11日获得澳门非营利团体“鲍思高青年服务网络”颁发“2023友企撑青年加盟商户”嘉许状，以感谢澳门自来水以实际行动支持由该会组织的各项社会服务及慈善活动。



上海化工中法继2019年获得“上海市环境教育基地”授牌之后，2022年再获得此殊荣。合作公司长期以来积极开展各类参观活动、公益活动、村企共建活动、环保论坛等，落实环保基地职责，切实做好生态文明宣传教育和社会服务工作。



2023年2月，苏伊士环境科技获批“北京市外资研发中心”资质认证，成为北京市第一家获批的外资环保企业，同批获得此资质的还包括微软、西门子、宝洁、玛氏等知名跨国企业，充分反映了北京市政府对苏伊士研发能力的肯定和认可。获得此认证将更有利企业发展研发业务，包括获得研发补贴、人才服务、知识产权资助等。

澳门自来水获评
“2023友企撑青年加盟商户”

上海化工中法再获
“上海市环境教育基地称号”

苏伊士环境科技获批
“北京市外资研发中心”资质认证

互访交流



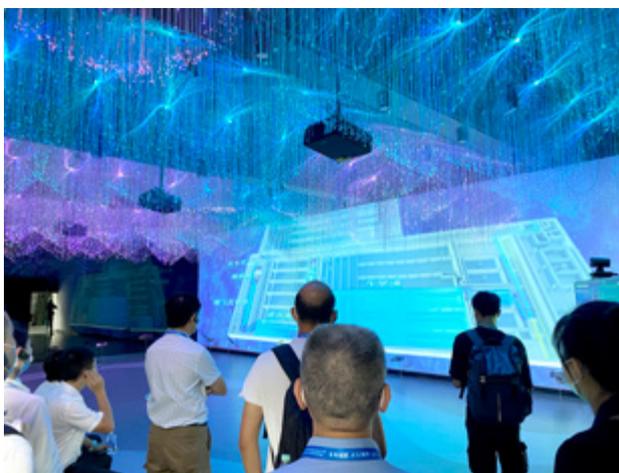
苏伊士亚洲地区高级副总裁孙明华获邀出席第四届世界科技与发展论坛和两院院士与跨国公司合作平行论坛，与与会者就科技创新、可持续发展等议题进行讨论。论坛期间，孙明华与成都市市委书记谢瑞武会面。



常熟市城投公司总经理常旭一行到江苏中法水务开展春节前安全检查。



盘锦市市长邢鹏一行在春节前到盘锦中法供水慰问供水一线员工。



澳门自来水和苏伊士智慧水务一起参加第四届粤港澳大湾区水务论坛暨第十四届深港珠澳供水学术交流会，加强与水务行业企业之间的交流与合作。



重庆市地勘局副局长吴晓琳一行到访重庆长寿中法，了解污水处理厂运行情况后，对污水处理厂规范运行、高效生产给予了充分肯定和赞赏。



马来西亚领先的水务运营商参观以苏伊士小型水处理装置 UCDs 技术建设的两家饮用水厂

2023 年 2 月初，苏伊士的水务专家陪同马来西亚马六甲水务公司代表团参观位于马来西亚登州、SATU 旗下的 Losong Package 水厂和 Pulau Bahagia 水厂。这两家水厂都运用了苏伊士小型水处理装置（UCDs）技术建设，处理量分别为每天 2 万立方米和 4.4 万立方米，为当地 40 万居民提供洁净的饮用水。SATU 的首席执行官 Abdul Karim Endut 陪同代表团参观。此次参观充分反映了苏伊士小型水处理装置（UCDs）在马来西亚水务行业获得认可。



法国代表团到访苏伊士上海办公室

2023 年 3 月 23 日，法国驻中国领事馆代表、法国驻上海领事、中国水利水电科学研究院代表以及中国电子科技集团代表到访苏伊士上海办公室，与苏伊士专家深入探讨智慧及数字化解决方案如何优化水资源利用以及预防城市洪涝等灾害。



青岛水务集团董事长到青岛海润进行数字化管理模式专题调研

青岛水务集团董事长夏正启和总经理孙炜等 30 人到青岛中法海润就数字化管理模式进行专题调研，了解合作公司数字化管理模式以及如何利用大数据可视化软件 PowerBI 分析、指导、管理日常各项工作。

2022 年苏伊士亚洲 最高创新奖获奖项目分享



污水厂潜水搅拌机优化节能与评估体系的建设

水务运营 - 重庆唐家沱

结合流场分析，建立高效节能的生物池搅拌机运行控制平台

污水处理厂里生物池潜水搅拌机在安装后长期不停运转，在常规的维护中无法得知其性能表现。因此，重庆唐家沱污水处理厂建立一套搅拌机运行的仿真系统与评估系统，对厂内 136 台日耗电量超过 1.5 万千瓦时的生物搅拌机进行管理。平台的特点是：使用 CFD 工具对整个生化池进行全场流场模拟，研究生物池的流场分布、污泥分布等状况；对各个型号的搅拌机进行三维扫描流场分析使其更加精准；建立流场分析 + 性能检测（流速）+ 能耗监测（电流）+ KPI 判断一个全周期评估体系；建设搅拌机优化运行的控制平台，实现自动节能运行。使用平台后预计每年可以节电超 80 万度。





长寿中法供排水管网一体三维 GIS 的探索与实践

水务运营 - 重庆长寿中法

三维 GIS 实现供排水厂精细化和可视化管理

重庆长寿中法以 GIS 与三维技术为底座，建立仿真管网平面与空间形态，快速提供真实准确的管网信息，实现供排水管网一体化综合管理；通过对管网及设备进行统一监管，为日常管理、设计施工、分析统计等提供可靠依据，实现供排水厂精细化和可视化管理；引入水平衡统计分析，通过精准分析工业客户供排水情况，优化供排水厂产能分配，预测园区新入驻工业企业的供排水需求。

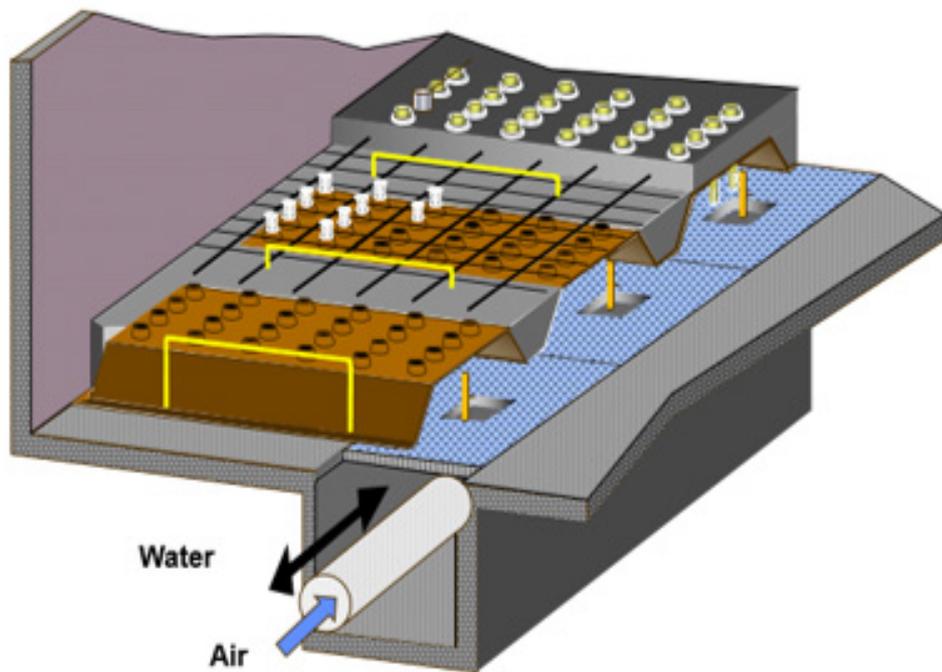


玩转滤池布水布气的N+1个方案

苏伊士环境科技

基于苏伊士滤池核心工艺开发多种滤池配水配气形式

针对原位提标改造项目、集约占地的特殊池型设计要求项目、地下式污水处理设施水力高程受限的项目以及建设或改造周期紧张的项目等，苏伊士基于自身滤池核心工艺，通过局部创新，开发多种滤池配水配气形式作为滤池设计的多种选择。例如，苏伊士开发了适用多种池型的Azurfloor 整浇滤板，成功应用到项目建设中，此创新甚具推广应用价值；使用“U 型配水管”结合苏伊士滤池的核心设计准则，重新优化设计，使它成为苏伊士滤池配水配气核心秘诀的新载体，尤其适用于滤池原位改造项目。



关爱我们的社区



上海化工中法和上海化工升达分别到附近农村开展新春慰问活动，向多位抗美援朝老兵的遗孀以及困难群众送上慰问。



江苏中法水务与常熟市公安局滨江派出所签署协议，以建立常态化的沟通交流机制，在水厂安防反恐、供水安全等方面加强合作。



常熟市公安局组织 20 多个警员及其家庭成员走进江苏中法水务的自来水厂，在工作人员的带领下学习取水样、测 pH 值和浊度，并自制小型净水系统模拟沉淀池、滤池、深度处理工艺，了解浊水变清的过程，从小培养珍惜水资源的意识。



澳门自来水连续两年举办“以物易物”活动，收集闲置的物品，让同事进行交流，践行循环再生的环保理念。现场还设有“好茶好水”活动，请特奥共融水吧培训班的学员现场调配饮品，让同事们购买，以支持特奥学员学习一技之长，融入社会。



苏伊士支持联合国国际组织职业发展规划实训项目

为响应中国政府培养国际型青年人才的号召，聚焦气候变化、公共卫生、科技创新等全球热点问题，帮助中国大学生熟悉可持续发展管理系统，联合国国际组织职业发展规划实训项目选择苏伊士旗下澳门自来水作为学生的实践地之一，于2023年2月8日组织了50余名学生和专家学者与苏伊士一起学习交流澳门自来水在联合国可持续发展目标方面的实践情况。苏伊士亚洲地区及澳门自来水的管理层对各位学者及学生的到来表示热烈欢迎，并就双方共同关注的环境话题进行了探讨。



澳门自来水连续七年支持“攀山背水”活动

澳门自来水连续七年支持政府主办的“攀山背水”体验活动，组织员工家庭亲身体验内地偏远山区居民攀山取水的劳累，领悟“有水当思无水之苦”。除了赞助及支持活动外，澳门自来水还认购了500包乐施米，支持乐施会为全球贫困地区提供清洁食水及公共卫生设施。



苏伊士亚洲地区水务运营年会

2023年2月28日，苏伊士亚洲地区2023水务运营年会在广东省珠海市举行。重庆、扬州、盘锦、邵武、常熟、上海等地合作伙伴应邀出席年会，与苏伊士共同讨论水务行业的最新趋势和发展。来自苏伊士亚洲地区水务运营的全体同事、苏伊士环境科技、固废业务及智慧与环境方案业务的同事共计250余人聚集一堂，回顾了2022年集团在亚洲的业绩，并制定了2023年及之后的工作计划。





苏伊士庆祝国际妇女节

今年联合国国际妇女节的主题是“数字包容—创新和技术推动性别平等”。在苏伊士，我们鼓励所有的女性员工从事科学研究的相关工作，致力创造一个多元化的工作环境，为女性员工开辟鼓舞人心的职业道路。

让我们一起看看苏伊士的女性技术专家怎样热爱环境事业。



我对危废处置工作充满热忱，这一责任重大的职业能够充分发挥我的专业技能和知识，我期待着在这项工作中不断学习和提升。

程利萍



攻城不怕坚，攻书莫畏难。在实验室日复一日的检测中发掘亮点、促成技术创新，这个过程中我从未倦怠，既兴奋又有满足感。

马薇



我相信用数学和科学能更好地建设我们生活的世界，因此，我成为了一名工程师。

Toh Zhiyun



付出会逐渐变成一种志在必得的信念，一种锲而不舍的精神。热爱是无形的资产，取之不尽用之不竭。

季华



化学无处不在，给人类生活提供便利，也有潜在风险。学习它、了解它、掌握它，让它更好地为我们服务，我享受这个充满挑战且迷人的过程。

陈彦非



对未知世界的好奇促使我不断学习；在职场中明确的分工、愉快的团队氛围是我工作稳步前进的基础。

寇艳娜



我大多数美好的回忆都与大自然相关，所以我选择去学习她，并和苏伊士一起守护她。

张真



水是生命的源泉、工业的血液、城市的命脉，我希望能尽力挽回更多流失的水资源，因此我爱上了漏损控制的工作。

覃冬梅



我一直想为环境保护作出积极的贡献。作为一名化学工程师，我便有无数机会实现这一梦想。现在，我正在推动解决方案应对水行业挑战。

Elaine Gonzales



我希望在水和固废循环中发挥作用。通过帮助行业做出具有环保意义的决定来回馈地球，这是一件令人着迷的事情。

叶晞怡

利益冲突

利益冲突指的是当一个人以其专业能力进行判断时，其判断可能受到公司以外的其他利益影响的情况。当员工做决策的依据并非是基于其所在公司的利益，而明显是考虑了其个人利益或者其亲朋好友的利益时，就属于利益冲突。

集团的所有员工都理应秉承最高的专业精神行事，有义务避免其利益可能与集团或者集团旗下单位利益发生冲突的所有情况。即使只是有利益冲突的表象也可能对集团造成不利影响。

如果可能存在任何潜在的利益冲突，你都应该向管理层报告。

问题

我所在的公司将和一位工业客户举办谈判。我的一位亲戚在该公司担任管理职位，对项目拥有决策权。

我该怎么办？

答案

即使你没有直接参与此项谈判，你也应该向所属公司的管理层及道德主任披露此事情，以便能够针对此情况采取相应的措施。



any questions, please send email to:
ethics.asia@suez.com

苏伊士管理人员健康安全管理指南

管理人员在健康安全领域展现领导力是实现苏伊士健康安全战略的重要保障。

因此，集团细化了管理人员需要履行的八大健康安全职责。



确保工作环境的健康与安全

确保在任何时候、任何情况下，都严格遵守并践行“救命法则”。



员工遵守度

鼓励有关“救命法则”的对话和分享，有助于确保员工遵守并践行。



了解如何促进积极的行为

时常给予表扬，有助于鼓励员工改进行为规范、积极报告困难和过失，并采取有利于健康与安全的举措。



通过管理层安全巡视促进改善行动

观察并展开讨论，以便有效地了解工作环境并采取行动。



经验教训

学会区分上报的各种事件，对其加以检查、分析，并优先处理潜在后果严重度高的事件，避免发生真正的严重事故。



公正的纪律处分

纪律处分不应给集体安全意识性带来负面影响。不公正的处分将打击员工报告过失的积极性，造成缺乏信任的工作氛围，降低员工采取安全举措的动力。



确保承包商遵守我们的安全规定

我们的“救命法则”和“安全规定”同样适用于向苏伊士提供服务的外部公司。



了解如何平衡安全与其他优先事项

公司做任何决策，都应考虑健康与安全因素，以便从健康安全方面和其他角度识别和评估决定可能造成的潜在影响，并据此确定合适的管理策略。