

SUEZ ASIA

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# 20-year partnership between SUEZ and SCIP a concerto for win-win cooperation

In 2002, SUEZ started its partnership with Shanghai Chemical Industry Park ('SCIP'). At that time, the market for industrial park environmental services in China was still at its infancy stage. It was a market that needed to be carefully nurtured. In the beginning, the cooperation between SUEZ and SCIP was initially focused on industrial water and wastewater treatment. With constant engagements and discussions, the partnership matured and subsequently expanded to a full range of sophisticated, integrated environmental solutions — from water to wastewater treatment, waste treatment and environmental management services. Building onto years of successful experiences, in

2020, SUEZ and SCIP teamed up with SAIC to jointly invest and build a new hazardous waste disposal project to meet the needs of customers.

During the 20 years of cooperation, SUEZ and SCIP have continued to deepen and broaden their cooperation through joint investment and R&D. In order to maintain technological advantages, SUEZ and SCIP have jointly established a Water Research Center and a Waste R&D Center to support further development of related businesses. SUEZ's contribution of its global technical expertise and experiences have been instrumental to achieving environmental goals and successes for the joint projects.

One of the biggest accomplishments for SUEZ is to make SCIP a very important and attractive investment destination for companies. Today, SCIP has become one of the world's best examples of ecological protection and circular economy. Under the win-win goal, both parties have achieved continuous growth and improvements towards a sustainable future for China.





Zhu Jian

Vice President of SCIPDC and Chairman of the Board of SCIP Sino French Water

“ SCIP’s integrated model is highly demanding on the operator as it is a balancing act between accommodating the needs of different enterprises and achieving the management objectives set by the Park. Looking back at the 20-year partnership with SCIP, SUEZ is proud of its stellar track record on both counts, as evidenced by the success of our water and waste JVs. ”

“ The cooperation with SCIP is one of the most successful global cases of SUEZ, whose strong long-term partnership is based on shared values. I am convinced mutual respect, a shared goal of excellent performance and long-term strategic partnership are keys to promote the Park’s green development. ”



Steve Clark  
CEO of SUEZ Asia



# 20-year partnership SUEZ committed to continuous improvement of water services in Qingdao

In 2002, SUEZ and Qingdao Hairun Water Group established a joint venture as the first sino-foreign cooperation in the public utility industry in Qingdao city. Ensuring production safety and supplying high-quality water for the city, the JV's achievements in technical and managerial innovation have been recognized as the exemplar reference case for attracting foreign investments in Shandong Province. On the occasion of the 20<sup>th</sup> anniversary of the JV, government leaders and representatives of our partners Qingdao Water Group and Hairun Group joined SUEZ for the celebration of the past two decades of achievements!

In these two decades, SUEZ, through our JV Qingdao Sino French Hairun, has strived to improve the quality of municipal water supply in Qingdao. Through major projects such as the rehabilitation of the Xianjiazhai Water Treatment Plant and tertiary treatment, we have comprehensively improved water quality in Qingdao to the greater satisfaction of the local residents. We have also ensured safe and high-quality water supply during important events such as the 2008 Olympic Games Qingdao Sailing Regatta, the Shanghai Cooperation Organization summit, and the Navy Festival. In addition to energy saving, emissions reduction and water quality improvement, our JV has implemented a just culture for the management system, applied structured and data-driven management processes to improve managerial efficiency, leveraged the Power BI central database to achieve connectivity and data integration across multiple systems, and independently completed the smart transformation of the water treatment plant. In these two decades, our JV has established a human-centric management philosophy, a cohesive corporate culture, and a stable and productive workforce.

Building on its excellent performance and the successful partnership in water treatment in Qingdao, SUEZ has successfully expanded its business to industrial wastewater treatment in Qingdao's Dongjiakou Economic Development Zone.





**Zhu Lianxiao**  
 Deputy General Manager of Qingdao Hairun Water Group  
 Chairman of Qingdao Sino French Hairun



Over the past twenty years, we have made significant achievements in improving drinking water quality, sustainable development and stable growth of the joint venture. The joint venture's total investment is boosted from RMB 225 million to RMB 780 million, a big leap in terms of cooperation and development. The joint venture has leveraged SUEZ's innovative technologies and management expertise that drive innovation and development of the water industry in the region. A significant example is the expansion project of Xianjiashai Water Treatment Plant Phase II Project, a key project in Qingdao city, which applied new technologies and treatment process and adopted the green concept. The tertiary treatment projects of the joint venture's two water treatment plants were completed within the amazing 'China speed', which helped improve the drinking water quality as well as protect the environment and water resources. 



serves Qingdao's  
**3M+**  
 residents

supplies  
**85%**  
 total water consumption  
 volume in the city

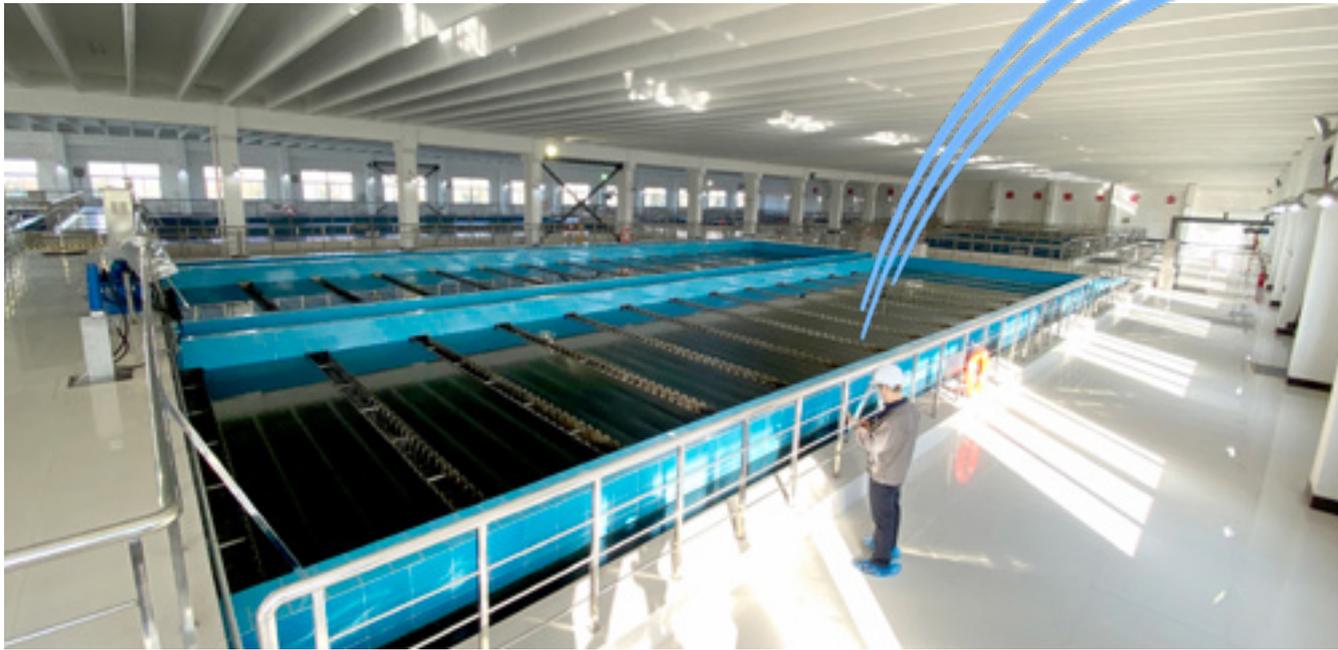
supplies  
**726,000 m<sup>3</sup>**  
 drinking water per day

# A qualitative leap over 20 years SUEZ and Panjin Water Group continue to boost cooperation

In early 2021, thanks to the strong support of the Panjin Municipal Government and the active facilitation of Panjin Water Group, SUEZ further cemented its cooperation with Panjin Water Group by increasing the total investment in its JV Panjin Sino-French Water Supply to RMB305 million, achieving a meaningful lift of the partnership through continuous innovation. On the 20<sup>th</sup> anniversary of the JV, SUEZ celebrated the success together with its partner, acknowledged the hard work of the JV staff, and reaffirmed its confidence in a more prosperous future.

In Panjin, an important petrochemical hub, SUEZ has been committed to co-investing with its partner and providing quality drinking water treatment services to the 600,000 local residents. After consolidating and expanding the cooperation in water supply business, SUEZ and Panjin Water Group will extend the partnership to industrial water supply, industrial wastewater treatment, smart water solution and sustainable development, going forward and further promote vitality and confidence in the future through innovation, so as to diversify the partnership, maximize growth opportunities for both sides, and improve water security for social and economic development in Panjin.

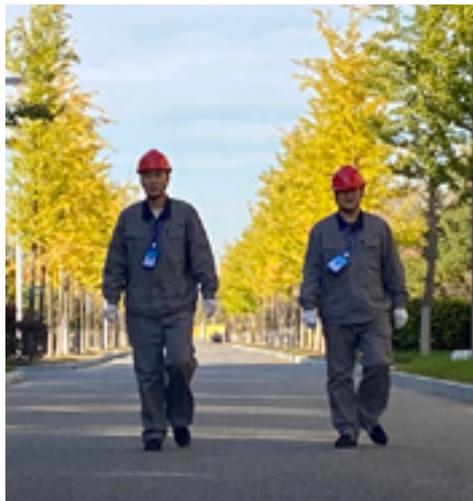




**Geng Xinyi**  
Chairman of Panjin Water Group



*Innovation brings vitality and hopes for business growth and is an important pillar of China's national development strategy. The cooperation between Panjin Water Group and SUEZ has yielded concrete results, such as the solar power plant, ground-source heat pumps as well as small and micro-wetland projects for clean energy and environmental improvement. We will hold high the banner of innovation, explore and cultivate emerging projects, and work together to achieve new breakthroughs in water sourcing, water supply, and on the value chain. I believe that with 20 years of successful cooperation behind us, we can confidently look forward towards the next 20 years and beyond, pursue high-quality and sustainable development, and contribute to Panjin's economic prosperity with our excellent water services.*



## Ensuring quality water supply and pollution-free environment as a valued partner to Xinchang

Xinchang is a city under Shaoxing, Zhejiang Province, which has a 2,500-year history and civilization. To keep the vigor and vitality of Xinchang and to protect the life source of the city, SUEZ and Xinchang Water Group established a JV, Xinchang Sino French. In the last 20 years, our JV staff have been working towards the commendable vision of improving the 'ecology, culture, industries, living environment and living standards' of Xinchang, acting as the steward of safe water for every household in Xinchang.

For the past 20 years, SUEZ and its partner have shown an undiminished passion and lived up to their commitment of supplying safe and high-quality water for the health and happiness of tens of thousands of families in Xinchang. While ensuring the continuity of safe, reliable, and high-quality drinking water production, the JV has also improved its operational efficiency through a series of technical re-engineering projects, achieved energy saving and emissions reduction, and contributed to the economic prosperity of Xinchang, as the first foreign-invested project in Xinchang in the area of municipal water supply and treatment.



**Zhang Xingui**

**Party Secretary, Chairman and General Manager of Xinchang County Water Group  
Chairman of Xinchang Sino French**

*The JV has adopted SUEZ's world-class managerial expertise and water production processes and facilities, which offer vital technical infrastructure and strong assurances for the safe and stable operation of the JV. During these two decades, both sides have approached the partnership with sincerity, mutual trust and close alignment and have achieved the goal of robust and sustainable development of our JV, a truly win-win outcome. I would like to take this opportunity to express my heartfelt thanks to SUEZ! I sincerely hope that going forward, we will maintain and further implement the underlying principle of our development in the last 20 years of 'working sincerely together for safety, efficiency, and better living standards for all', continue to improve the safety and operational efficiency of the JV, and promote the high-quality development of water services in Xinchang.*

On the 20<sup>th</sup> anniversary of the JV, SUEZ and its partner unveiled a plaque to commemorate this important milestone and presented long service awards to employees who have worked at the JV for 20 years to recognize their hard work and dedication.



## SUEZ and Taipei Water Department conclude new ice pigging services contract

SUEZ signed a contract with the Taipei Water Department to provide ice pigging services to clean 30km to 40km of drinking water pipelines before November 2022. This is the fourth time SUEZ has provided such services to the Taipei Water Department since 2019.



the 4<sup>th</sup> collaboration  
in ice pigging  
services since 2019



cleans 30km-40km of  
drinking water pipelines



## SUEZ supports Guangdong Water in the construction of digitalized wastewater treatment plant

In June 2022, SUEZ signed a contract with Guangdong Water to help the latter build its East Shantou Wastewater Treatment Plant - a smart, digitalized wastewater treatment plant. According to the contract, SUEZ will collect real-time data from the treatment facility and the influent during the treatment process, which can then be used to predict key parameters, such as process flow, operating conditions, facility parameters and flow conditions, to ensure that the effluent complies with regulatory standards. This will improve operational efficiency and ensure that the plant meets water quality standards as well as achieves energy-saving emission reduction.

## SUEZ wins equipment supply and technical services contracts



On 21 June 2022, SUEZ signed a contract with Shanghai Jingdong Environmental Protection Technology Co. Ltd. to provide DensaCarb™ clarifier and Aquazur™ V filter to a wastewater treatment plant in Changshu of Jiangsu Province. The plant is designed with a treatment capacity of 160,000 m<sup>3</sup> per day. Upon completion of the project, the effluent will more than adequately comply with local discharge standards, contributing to river pollution remediation in the city.



SUEZ won an equipment supply and technical services contract for Hengli Petrochemical's WWTP project located in the Hengli Petrochemical Industrial Park in Changxing Island Economic Zone of Dalian. A 450m<sup>3</sup>/hr high-TN wastewater pretreatment line, a 500m<sup>3</sup>/hr high-TDS wastewater treatment line, two 500m<sup>3</sup>/hr integrated wastewater treatment lines, and a 600m<sup>3</sup>/hr RO brine treatment line will be built.



SUEZ won a contract to provide equipment and technical services to Qingdao Dongjiakou WWTP Phase II project. It will provide A/O process, Densadeg® clarifier, Aquazur® V filter and GAC filter to ensure the effluent meet Class 1A discharge standard for urban wastewater. The project is expected to be completed by end of 2022.



**75%+** wastewater reuse rate

# SUEZ takes part in Qingdao International Water Conference & Expo

4-8 September 2022 in Qingdao

Qingdao International Water Conference & Expo is a high-end international academic and technical conference with great influence and popularity in China's water industry. The conference aims to build a comprehensive exchange platform for water resources, water environment, water ecology and water security, as well as to promote the development of water treatment industry between China and other countries. At the same time, it provides an opportunity for government officials and industry leaders to make exchanges on relevant policy planning, market demand and development trend.

**SUEZ, a silver sponsor of the event, is proud to demonstrate its water treatment expertise to help clients address the water issue across cities.**



Cheng Zhonghong, Technical Promotion Manager of SUEZ Asia, in his speech on 'Sludge Incineration Must Also Be Adapted to Local Conditions', shared with the attendants about SUEZ's sludge treatment technologies aimed at achieving reduction, innocuous treatment and resource utilization of sludge.



Jacky Lei, Deputy General Manager of Macao Water, delivered a keynote speech in a panel discussion on 'A Study of the Impact of the Pearl River Salt Tide on Macao's Water Supply and Countermeasures', and highlighted the measures taken by Macao Water to cope with salt tide – flexible and scientific water resource dispatching plan.



Chen Zhi, Technical Promotion Manager of SUEZ Asia, delivered a speech in a panel discussion on 'Quality and Efficiency Improvement of Urban Drainage System and Upgrading of Sewage Treatment Plants'. He shared about efficient and innovative ways to improve wastewater treatment performance, reduce land use and operating costs, as well as reuse and recycle.



# SUEZ Chairman & CEO holds online meeting with Shanghai colleagues

SUEZ Chairman & CEO Sabrina Soussan, Senior Vice President Frederick Jeske-Schoenhoven, and Asia's management team specially held an online meeting with Shanghai colleagues to express sincere thanks to colleagues for their commitment in ensuring uninterrupted and high-quality environmental services during the Shanghai lockdown earlier this year due to COVID-19 pandemic control.

Since early 2022, the local governments have been implementing necessary social contact restrictions in various cities to control the spread and resurgence of COVID-19. The tightening of protective measures has inevitably created a hard impact on people's daily life as well as challenges for the environmental services provided to municipal and industrial customers. SUEZ employees in over 30 cities across China

have demonstrated their utmost professionalism and extraordinary commitment, especially during the period of lockdown, going above and beyond the call of duty. They have ensured uninterrupted, uncompromised, high-quality environmental services, which were highly recognized by our clients. The SUEZ management is deeply appreciative for the steadfast dedication of our staff and is tremendously proud of what we have achieved.

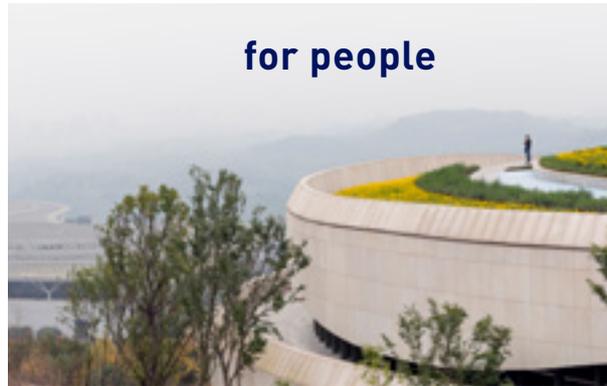


# SUEZ Asia Sustainable Development Report 2021

As SUEZ begins a new chapter in its history early this year, we remain firmly committed as ever to contributing to Asia's long-term sustainable and ecological development goals. In August we published the sustainable report for 2021. Disclosure of environmental, social and governance (ESG) performance across Asia to internal and external stakeholders will strengthen our positioning, our plan and our determination for development, by meeting the increasing social and environmental requirements. In Asia, by aligning SUEZ's sustainable development direction with the UN sustainable development goals (SDGs), we have committed to becoming a company that is positive for the People, Planet and Prosperity.



“Sustainability contributions are integral to our service offerings. We aim to reduce our environmental footprint, by prioritizing renewable energy, circularity of resources, and efficiency optimization.”



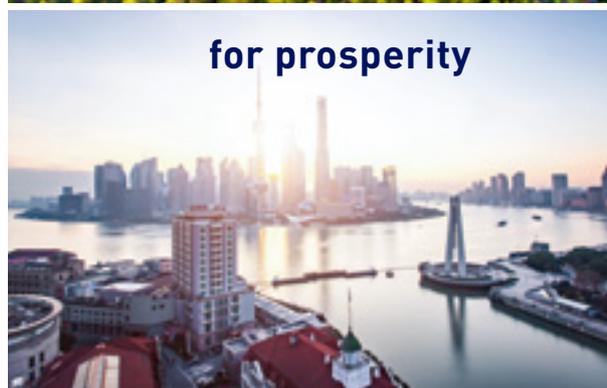
## for people

- 22 systematic H&S innovations designed and implemented
- 797 managerial site visits
- 40% management positions filled by women
- 99.4% employee training coverage
- RMB 359M community investment



## for planet

- 126,197 tonnes CO<sub>2</sub>e emissions avoided
- 219 GWh renewable energy produced
- 17.81 Mm<sup>3</sup> alternative water produced
- 62,244 tonnes refused-derived fuel production
- 1/3 biodiversity priority sites with action plan



## for prosperity

- 1,502 Mm<sup>3</sup> drinking water produced
- 419 Mm<sup>3</sup> wastewater treated
- 146,458 tonnes hazardous waste treated
- 42,069 m<sup>3</sup> soil remediated
- 100% percentage of supplier contracts with CSR clauses

## SUEZ inaugurates new office in the Philippines

SUEZ held the new office inauguration ceremony in the Philippines on 16 September 2022. Important guests, partners and clients were invited to the ribbon cutting and luncheon, including Ambassador of the French Republic to the Philippines, Her Excellency Michele Boccoz; Ms. Cresalita Rey, representative for Mayor of Pasay City, Emi Calixto; Administrator Ms Leonor C. Cleofas, Metropolitan Waterworks and Sewerage System (MWSS); Mr. Lee Robert Britanico, Deputy Administrator of MWSS Regulatory Office.

SUEZ has been in the Philippines since the 1960s, serving our municipal and industrial clients in water and wastewater projects. In recent years, SUEZ has expanded its footprint in the country and won many water treatment infrastructure projects such as Aglipay and Hinulugang Taktak WWTPs, Calawis DWTP and more. Today, the team is growing and has 100 staff locally based in Metro Manila, with a strong engineering platform that is responsive to clients' needs in the Philippines and Southeast Asia.



## Expansion of SUEZ's Yangzhou sludge treatment project commences operations



**500 tonnes**  
daily treatment capacity



**12,000 tonnes**  
standard coal saved in a year



**32,000 tonnes**  
CO<sub>2</sub>e emission reduced in a year

The project, which greatly enhances quality of life, commenced operations in Yangzhou on 1 August 2022. The increased treatment capacity of 200 tonnes/day wet sludge further improves Yangzhou's ecological environment and promotes well-being for the city's residents. The project is also recognized as the best practice model for the circular economy.



## SUEZ's photovoltaic power generation project in Xi'an commences operations



**0.52M kWh**  
electricity generated in a year



**317 tonnes**  
CO<sub>2</sub>e emission reduced in a year



**40%**  
enough to fulfill 40% of the plant's power needs

Xi'an Sino French photovoltaic power generation project commenced operations on 9 August 2022. The project can generate over 0.52M kWh/year electricity, enough to fulfill 40% of the plant's power needs. Each year, the project can achieve emissions reductions of 317 tonnes of CO<sub>2</sub>e.

## SUEZ's Hainan environmental quality monitoring laboratory passes qualification evaluation

On 22 and 23 July 2022, SUEZ's Hainan laboratory passed the qualification check conducted by the Hainan Market Supervision and Administration Bureau. The laboratory can now provide lab testing services for five categories which comprise 98 items, including water, air, soil, noise and solid waste. The facility uses 114 testing methodologies for 500 parameters.



## SCIP<sup>+</sup> Innogreen Contest promotes start-up innovation

Since the inception of the SCIP<sup>+</sup> Innogreen Contest in 2019, SUEZ and its two joint ventures - SCIP Sino French and SCIP SITA, have participated in and provided technical support for the event. The goal of the contest is to nurture innovative talents, promote innovation and transform results into productivity, as well as to facilitate green development of the industry and the Park.

The 4<sup>th</sup> edition of this annual event began on 29 June 2022. Local and international institutions of higher learning, as well as research institutes, start-ups and entrepreneurial teams are invited to submit innovative products or ideas in the fields of novel materials, new energy, environment protection, smart manufacturing, process control and health & safety that feature greener synthetic paths and greener chemical design concepts.



# International Water Association recognizes SUEZ's water supply services in Macao as 'Most Inspiring Climate Smart Case'

On 15 September 2022, during the International Water Association (IWA) Congress in Copenhagen, SUEZ's subsidiary, Macao Water, was recognized as the 'Most Inspiring Climate Smart Case' under the IWA's Climate Smart Utilities Initiative Recognition Programme. The company's smart solutions, excellent operational management, achievements in addressing local climate challenges, reduction of greenhouse gas emissions, as well as promotion of water conservation and science education through innovative approaches, are among the reasons Macao Water have achieved this most recent accolade. Additionally, Chongqing Tangjiatuo Wastewater Treatment Project and Shanghai Chemical Industry Park Water Management Project were also shortlisted among the 'Climate Smart Utilities' finalists.

IWA launched the global Climate Smart Utilities Initiative to help water utilities improve their climate resilience, accelerating the transition to a climate smart model. A jury selected the 'Most Inspiring Climate Smart Cases' from among 56 entries, submitted from 34 countries and 2 territories. Each entry featured significant measures against climate change across three pillars: adaptation, mitigation and leadership.





## SUEZ's wastewater project in Xi'an wins 'Most Socially Responsible Enterprise Award' and title of 'Outstanding Foreign Investment Enterprise'

Xi'an Sino French won the award presented by the local government for the second consecutive year. It fully reflects the public recognition of the JV's efforts in fulfilling corporate social responsibility and maintaining excellent corporate management.

## SUEZ compiles Suzhou's first pictorial handbook on algae

The book, which was compiled by SUEZ's JV Jiangsu Sino French Water and contains photos of 187 types of algae, provides a comprehensive introduction of the JV's recent efforts to build the ecological system in the Yangtze River Emergency Reservoir. It is both a useful tool for water quality monitoring and ecological management as well as an important reference for training technicians in the water industry.



## SUEZ Treatment Infrastructure and Chongqing R&D Center named SMEs with 'specialization, refinement, differentiation and innovation'

SUEZ Treatment Infrastructure and Chongqing R&D Center were selected as SMEs with 'specialization, refinement, differentiation and innovation' for 2022 in Beijing and Chongqing respectively. The appraisal is jointly organized by the Ministry of Industry and Information Technology and the Ministry of Education. The aim is to promote specialization, refinement, differentiation and innovation among small and medium enterprises. The selected SMEs can enjoy the government's support in funding, talent development, start-up platform establishment and more.

## Visits & exchanges



### Deputy head of Shanghai's Jing'an District visits SUEZ Shanghai Office

On 22 July 2022, Zhang Jun, deputy head of Jing'an District, Shanghai, led a delegation on a visit to the SUEZ Shanghai Office, where they were received by Leo Zhou, Legal Director of SUEZ China, and held a virtual meeting with Steve Clark, CEO of SUEZ Asia, and Joey Chio, Chief Communications and Sustainability Officer, SUEZ Asia. The government representatives and SUEZ executives held in-depth exchanges on a wide range of topics, including safety operations during COVID-19, business development through preferential government policies, ways to boost the local economy, and more.



### SUEZ joins expert talk on 'Development of Foreign-Invested Environmental Companies in China'

On 7 July 2022, Zhang Jun, Managing Director of Treatment Infrastructure SUEZ China, was invited by E20 to share his views with industry peers in a live show about challenges and opportunities of foreign-invested companies in the context of COVID-19 and corporate innovation.



### SUEZ invited to share in SBA Sustainable CEO Talk Series

As the winner of Sustainable Business Award (SBA) 2021 – Resilient Industry, Innovation and Infrastructure Leader, François Février, Deputy CEO of SUEZ Asia, was invited as one of the featured speakers in the SBA 2022 Sustainable CEO Talk Series, organized by European Union Chamber of Commerce in China on 25 August 2022. The series delved into SUEZ's sustainability management and two projects in China that had won the accolade for their successful application of nature-based and climate-positive solutions, namely: SUEZ's Zone Libellule®, which is an artificial wetland concept adopted in Shanghai Chemical Industrial Park, as well as adaptation of the concept of 'using waste to treat waste' for Hengli Petrochemical's wastewater treatment plant.



### Philippine Governor makes exchange with SUEZ delegates on provision of infrastructure solutions

On 27 July 2022, SUEZ delegates, together with representatives from Prime Metro BMD Corporation (PrimeBMD), met up with Eugenio Jose 'Bong' Lacson, the Governor of Negros Occidental, Philippines, and Rayfrando Diaz II, Provincial Administrator Attorney, at the Governor's office to exchange on the provision of innovative and all-inclusive infrastructure solutions for water and wastewater projects of local government units that are relevant, safe, and environmentally sensible for communities.



### SUEZ takes part in Hainan Free Trade Port's sharing session for European (French) enterprises

On 27 July 2022, Goldwin Li, Regional Director of SUEZ China Water Operations, took part in a meeting that facilitated exchange among representatives from around 50 French enterprises based in Hainan Province, with the aim of exploring new business opportunities. After the session, Sheng Yongjun, Deputy Mayor of Sanya, discussed the outlook of foreign-invested enterprises in Hainan with delegates from SUEZ and three other French companies.



### SUEZ takes part in Marketplace at Asia Infrastructure Forum dialogue session

Farchad Kaviani, Managing Director of SUEZ Southeast Asia, was invited by Infrastructure Asia to converse in the Marketplace at Asia Infrastructure Forum 2022 on 2-3 August, a specially curated session that uncovers opportunities to further advance regional infrastructure projects. Farchad exchanged with thought leaders and industry peers in meaningful dialogues, sharing our experiences and expertise in infrastructure, innovations, investments and sustainable financing in Asia.



### Deputy head of Beijing's Chaoyang District visits SUEZ Beijing Office

On 30 June 2022, Shu Bilei, deputy head of Chaoyang District, Beijing, led a delegation to visit the SUEZ Beijing Office. The government representatives held an in-depth exchange with Zhang Jun, Managing Director of Treatment Infrastructure, SUEZ China, and other management staff on the resumption of work and production after the pandemic, as well as on economic development and policy implementation.

# SUEZ Asia's enthusiasm in innovation remains undiminished

## Summary of SUEZ Asia Innovation Trophy 2022 registration

Registration for SUEZ Asia Innovation Trophy 2022 was closed on 15 August 2022. SUEZ staff's enthusiasm in innovation remains undiminished, with active participation by staff from SUEZ Asia's corporate departments, projects and joint ventures of various BAs, sparing no effort to drive the Group's innovative development.

 **773**  
participants

 **168**  
entries

 **27** joint ventures  
involved

Winners for Best Promotion Prize, Best Innovation Prize and Nomination Prize as well as 6 Asia Grand Innovation Prizes, which will be evaluated by the SUEZ Asia ExCom and BA heads, will be announced in November 2022.

## SUEZ Asia Innovation Forum

Innovation is a crucial part of SUEZ's corporate culture. Strengthening the corporate culture to encourage innovative practices and ideas within the Group can increase corporate competitiveness and drive sustainable development. SUEZ Asia organizes the annual Innovation Trophy event and has launched the Innovation Forum, a platform for its staff to share innovative projects, from this year onwards. At the same time, external experts are invited to carry out staff training on innovative skills, covering topics such as 'Providing systematic tools that can be practically used for innovation', 'Introducing external perspective on innovation', 'Stimulating thinking out of the box' and 'Building innovation ability'.

 **8**  
virtual forums organized in 2022

 **2,000** participants  
joined the forums by Tencent & TEAMS meetings

# SUEZ Asia Innovation Trophy 2021 Best Innovation Award winning projects sharing

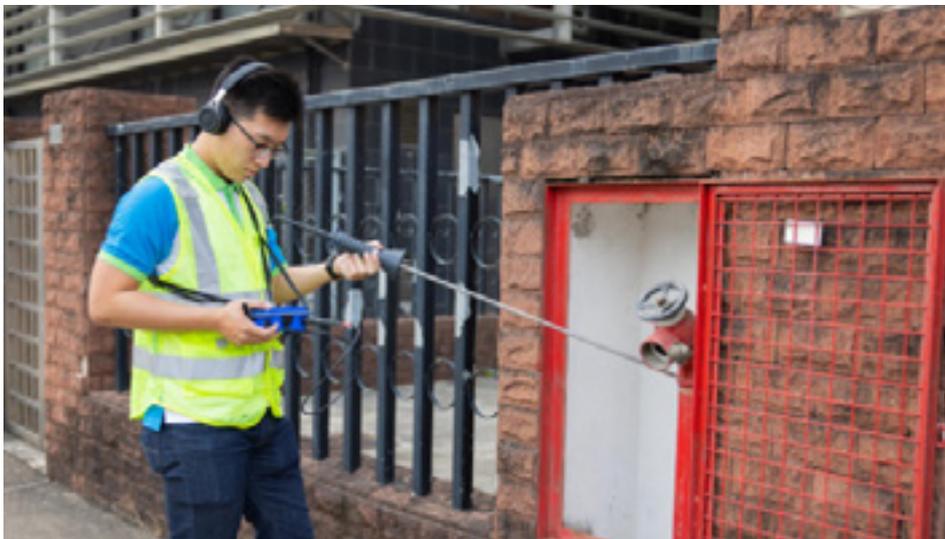


## Delicacy Management of Water Network Pressure

Water Operations – Macao Water

The sudden operation of valves or pumps may produce water hammer, a common phenomenon in water network that will cause damage to the network. The pressure wave generated due to the water hammer lasts for just a few seconds, so it is very difficult to detect the exact location of the water hammer.

To solve the problem, the project team worked with the SUEZ's technical department in France by using Inflowmatix to detect pressure fluctuations in the pipe network. Inflowmatix can detect 128 pressure values within a second, which is much more efficient than the traditional pressure sensor. By combining the Inflowmatix data, GIS data as well as the daily water dispatch operation and the hydraulic model data, the project team can then analyze the causes of the water hammer and adopt proper measures to reduce the occurrence of water hammer and protect the water pipe network.



## Anaerobic treatment: GAC regeneration to treat high concentration and refractory industrial wastewater

Treatment Infrastructure

With increasingly strict emission standards, there is a huge demand for high-concentrated and refractory wastewater treatment. Granular Activated Carbon (GAC) is one of the popular solutions for such treatment. However, the saturated carbon has to be replaced regularly, with high cost and high carbon emission during replacement.

Considering the nature of the wastewater and by using the waste reuse concept, the project team has proposed a new solution:

- An enhanced carbon regeneration system is used for wastewater treatment;
- Anaerobic treatment is suitable for treating high-concentrated industrial wastewater. Lots of biogas is produced during the process, which can be reused as fuel for the GAC system to reduce the operational cost;
- A hydraulic conveying system is used to transfer active carbon for replacement. It is more efficient and more environmentally friendly;
- The wastewater with carbon particles produced during the GAC regeneration process is returned to the upstream of wastewater treatment process for another round of treatment before being reused.

## We contribute to the well-being of local communities



Colleagues from the SUEZ Macao Office took part in ocean protection activities organized for the staff, including a plastic sorting workshop and an ocean waste recycling handcraft workshop, which helped them to understand the main marine pollutants. In addition, the Director of Macao Green Future, a NGO for environmental protection, was invited to lead an ocean cruiser tour and introduced the current state of Macao's marine environment, so as to highlight the necessity of taking concrete actions for marine protection.



Local media went onsite to SUEZ's hazardous waste project in Suzhou to film the destruction of illegal drugs on the International Day Against Drug Abuse and Illicit Trafficking. A total of 500 kg of drugs were destroyed.



Chongqing Sino French Water invited 80 school pupils to learn about the water production process by joining an environmental education class, with the aim of enhancing the youngsters' awareness of water resource conservation.



▲ SUEZ has shown benevolent support in flood relief efforts by donating 50,000 bottles of portable drinking water produced by SUEZ's JV in Panjin to the Panjin Charity Association.



▲ SUEZ supported the fund-raising efforts in fighting COVID-19 pandemic in the local community where the Shanghai Office is located.



Tanggu Sino French donated daily necessities to volunteers serving their local community in COVID-19 prevention and control. The JV also responded enthusiastically to a call from local farmers to buy their unsold vegetables. This demonstrates the JV's ongoing support for the local agriculture industry.

## SUEZ creates shared value in SCIP

SUEZ provides climate-positive initiatives and environmental services to help Shanghai Chemical Industry Park (SCIP) become a global benchmark in ecological protection and circular economy. As such, SUEZ's water and waste treatment projects in SCIP have been featured by the Shared Value Initiative Hong Kong as an exemplary model of giving back to nature through technologies and innovation.



## SUEZ contributes to *Save Our Shells* Programme in Hong Kong

SUEZ is investing, protecting and preserving biodiversity through the *Save Our Shells* Programme by The Nature Conservancy together with community partners in Hong Kong. It aims to repurpose discarded oyster shells into a substrate for new reefs to grow on, resulting in over 9 tonnes of shells diverted from landfills.

## SUEZ speaks on biodiversity virtual conference

As a member of the China Business and Biodiversity Partnership, SUEZ was invited by the Foreign Economic Cooperation Office of the Ministry of Environmental Protection and The Nature Conservancy to speak on its biodiversity conservation measures and nature-based solutions at a virtual conference on 15 July 2022. The online event convened representatives of the Secretariat of the Convention on Biological Diversity, international partners, experts and delegates, with exchanges on the latest policies and best practices in biodiversity preservation at home and abroad.



## SUEZ holds plant open day to promote its environmental protection technologies and enhance public awareness



Macao Water received over 140 visitors from different local organizations to its Seac Pai Van Water Treatment Plant in June 2022, with the aim of facilitating technical exchanges and demonstrating Macao Water's smart water technologies and sustainable practices to the public.



A total of 25 students and teachers from a local university visited the wastewater treatment facility of Chongqing Changshou Sino French and exchanged with the JV's technicians about the wastewater treatment technologies.



Jiangsu Sino French invited local students to visit its water and wastewater treatment facilities. During the tour, the youngsters learned about the processes of water and wastewater treatment.



### SUEZ HK Office holds birthday party

Despite the resurgent cases of COVID-19, SUEZ Hong Kong Office held an in-person staff birthday party after several weeks of working from home to help boost team spirit and facilitate better internal communications.



### SUEZ Beijing Office encourages reading with kids

To encourage reading with kids, staff with children under 14 years of age received two books with the compliments of SUEZ Beijing Office.



### Zhuhai Gaolan Port JV staff outing

Zhuhai Gaolan Port Sino French organized an outward bound activity to facilitate staff communication.



### SUEZ Southeast Asia promotes diversity and inclusiveness

In July and August, SUEZ Southeast Asia launched a series of short quizzes via internal emails, to pique cultural interests and understanding, as one of the diversity and inclusion programmes for the staff.

## Cover bidding

Cover bidding is a form of bid rigging, which gives the appearance of genuine competition. It occurs when a company agrees, in the context of a call for tenders and in order to favor a competitor, to submit a bid containing terms (notably the price) which are knowingly not as good as the said competitor's offer or which will not be accepted by the customer. Such practice cannot be tolerated by the Group as it is a clear violation of its ethical principles.

### Question:

A competitor is interested in a project and fears that they are going to be the only company submitting a bid. The Group does not intend to submit a bid for the project. They ask us whether we can nonetheless submit a bid, for example at an excessive price, to ensure the customer does not consider the call for tenders unsuccessful.

### What should we do?

### Answer:

Submitting such an offer would amount to cover bidding and is therefore strictly illegal and could be sanctioned by competition authorities. Such a practice could lead to convictions and sanctions for the Group even if the Group receives no financial or other compensation in this respect. You must report this request to your management and the legal department of your entity, as well as to the Group's competition law department.



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

# Sharing of positive findings in safety visits

## 1. WO - Zhuhai Gaolan Port Sino French

Human electrostatic discharge alarm device installed around the activated carbon unloading point



1

## 2. TI - Zhangjiagang EDZ Wastewater Treatment Project

Implementation of LOTO procedure



2

## 3. R&R - Industrial Services

Professional helmet and breathing apparatus with air supply and life monitoring function



3

## 4. TI - Shanghai Zhuyuan Wastewater Treatment Plant

Promotion of SUEZ's life-saving rules, fair culture and safety week activities



4

# Sharing of H&S good practices

## 1. Portable life-saving tool

Chongqing Sino French Water designed and produced a bottle with life-saving tool for victims who accidentally fall into water. Using such a tool can shorten the time it takes to help someone in distress.

## 2. Water-swellable bags for flood prevention

In addition to normal sandbags, Qingdao Sino French Hairun also uses water-swellable bags to prevent flooding. This saves time and effort to fill the sandbags during an emergency. The water-swellable bags are light, convenient to use and durable. They can absorb water in a very short time, inflating from 0.5cm to 10-15cm to prevent flooding. They can also be sun dried and reused.

## 3. Ventilation helmet

A helmet developed by Chongqing Environmental Excellence R&D Center won a national utility patent. The specially designed helmet has a ventilation function that makes wearers feel more comfortable and reduces the risk of heat stroke.



1



2



3

SUEZ ASIA

# XPRESS 苏伊士 亚洲快讯

A u t u m n 2 0 2 2



EN English version

中 中文版



# 苏伊士与上海化学工业区合作共赢二十载

2002年，苏伊士与上海化学工业区开始建立合作关系。彼时，在中国，工业园区环境治理市场还处在发展初期，是一个需要精心培育的市场。在这样的背景下，苏伊士与上海化工区的合作最初主要聚焦在工业水供应及污水处理领域，之后经过不断的磨合和摸索，过去20年，从供水、污水处理到固废处理以及环境治理服务，苏伊士已经为上海化学工业区提供成熟的综合环保解决方案。2020年，基于多年来的成功经验，我们和园区携

手上汽集团签订协议，共同投资和建设新的危废处置项目，以满足客户的需要。

在20年的合作中，双方不断推进合作的深度和广度，比如联合的投资和研发，为了保持技术优势，苏伊士与上海化工区共同成立了水研究中心和固废研发中心，以支持更多相关业务的发展。在这个过程中，苏伊士引入更多的技术专长和经验，助力合作项目实现环保目标，让双方合作更加成功。

双方合作过程中，最重要的成就之一，是让上海化工区成为企业非常重要且具有超强吸引力的落户之处，尽可能提高了园区对企业的投资吸引力。如今，上海化工区已经成为全球生态保护和循环经济的典范。在双赢目标的驱动下，双方均实现了持续增长以及不断完善优化，携手推动中国的可持续发展。





朱健

上海化工区发展公司  
副总经理

上海化工区中法水务董事长

化工园区的一体化管理模式对于运营者的要求非常高，既要适应不同企业的需求，又要满足园区的管理要求。回首 20 年的合作，苏伊士在这些方面都有非常强的优势，合作公司所取得的成功是很好的印证。

与上海化工区的合作是苏伊士在全球最成功的案例之一，这样长期紧密的共赢合作关系一定要基于大家共同的价值观之上。我深信，互相尊重、追求卓越环境绩效和长期的合作伙伴关系将不断赋能园区的绿色未来。



郭仕达

苏伊士亚洲地区  
首席执行官



# 携手合作二十年 苏伊士致力为青岛市 持续提升供水服务质量

2002年，苏伊士携手合作伙伴青岛海润自来水集团成立了青岛第一家中外合资的公用事业合作公司青岛中法海润，致力于保证青岛市城区安全和优质供水。合作公司在技术和管理上的创新更成为了山东省招商引资推介的成功经验。在合作公司20周年的庆典上，我们的合作伙伴青岛水务集团、海润集团以及政府机构领导代表与苏伊士一起庆祝这20年的成果！

这20年，苏伊士与青岛水务海润集团始终竭力提升城市供水质量。通过仙家寨水厂改建、深度处理等重大工程全面提升了青岛市自来水水质，提高了市民的用水幸福感，也保证了2008年奥运会青岛帆船赛、上合组织青岛峰会、海军节等重大活动期间的安全优质供水。在节能降耗、提升水质的同时，公司通过推行管理体系的公正文化、运用体系化和数据化的管理思维全面提升管理效益，依托Power BI中心数据库实现了多系统的互联互通和数据整合，自主完成智慧水厂建设。20年来，合作公司建立起以人为本的管理理念、充满凝聚力的企业文化，整个员工队伍稳定高效。

基于在青岛水处理领域良好的绩效及成功的合作伙伴关系，苏伊士成功将其业务扩大到青岛董家口经济开发区的工业污水处理服务。





朱连孝  
青岛水务海润集团副总经理  
青岛中法海润董事长

20年来，我们在提升城市供水品质、实现可持续发展和合作公司快步壮大、稳健发展等方面取得了斐然成绩。合作公司的投资总额由原来的2.25亿元增至7.8亿元，实现了跨越式发展。合作公司引入苏伊士创新的技术和管理并带动了区域内供水企业的改革和发展，如利用新技术新工艺和以环保理念建成投产的青岛市重点工程——仙家寨水厂二期改建工程，以“中国速度”完成两水厂深度处理工程建设，全面提升了自来水水质并实现了对环境的保护和水资源的可循环利用。

日供水能力  
**72.6万**  
立方米

负责供应市区  
**85%**  
水量

服务青岛市  
**300多万**  
居民

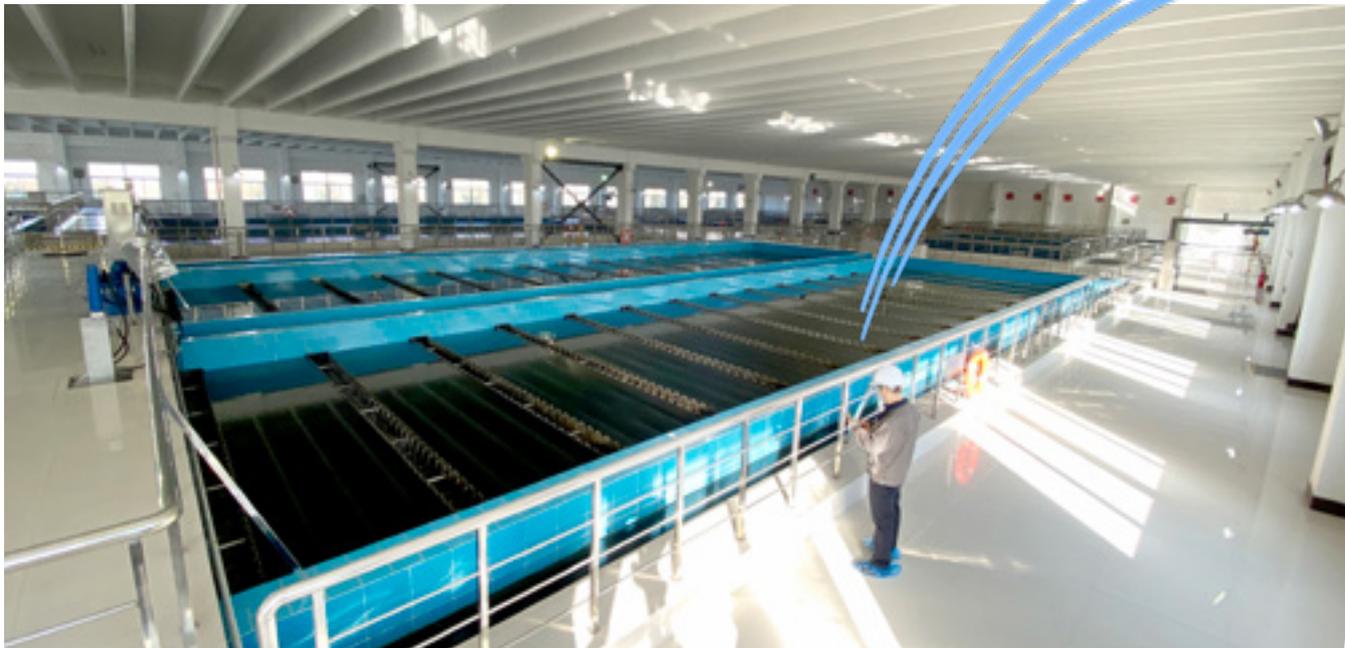


# 二十年质的飞跃 苏伊士与盘锦 水务集团继续 深化合作

2021年初，在盘锦市政府的大力支持和水务集团的积极推动下，苏伊士加强与盘锦水务集团的伙伴关系，合作公司的总投资增加至3.05亿元人民币，在不断的创新中成就了质的飞跃。在盘锦中法20周年庆典活动中，苏伊士与合作伙伴一起共庆成功并感谢合作公司员工的辛勤付出，坚信未来会更好。

在盘锦这个重要石化中心，苏伊士一如既往与合作伙伴加大投资，始终致力于为当地60万居民提供优质的饮用水处理服务。苏伊士与盘锦水务集团在巩固扩大供水业务合作后，未来将在工业水供应、工业污水处理、水务智慧化建设、可持续发展等方面继续拓展合作领域，用创新持续焕发企业发展的生机与希望，为双方创造更广阔的合作空间和发展前景，也为盘锦经济社会发展提供更坚实的“水保障”。

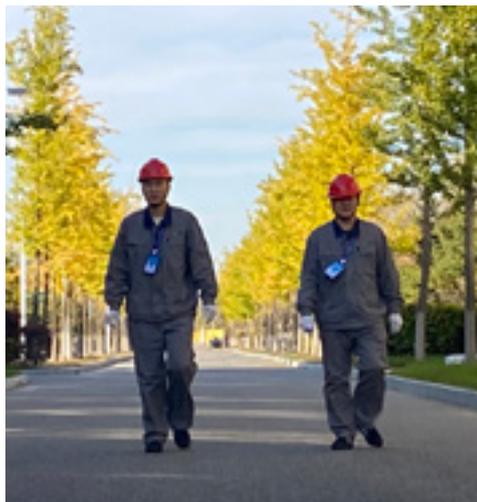




耿心一  
盘锦水务集团董事长



创新代表着企业发展的生机与希望，也符合国家的发展战略，这一点在盘锦水务集团与苏伊士的扩大合作中有了具体成果体现，如光伏电站、地源热泵和小微湿地等清洁能源和改善环境的项目等。我们将始终高举创新旗帜，探索新兴项目的培育和发展，共同致力于在水源、供水、产业链等方面实现新的突破。我相信，有20年成功牵手的经验，我们能够更加愉快地携手迈向下一个20年以至更远的未来，共同实现企业高质量可持续发展，为盘锦经济建设贡献水务力量。



# 携手新昌 优质供水守护一方净土

新昌，隶属于拥有 2500 多年建城史的历史文明名城浙江省绍兴市，为使新昌不断焕发生机活力，苏伊士与新昌水务集团携手成立合作公司新昌中法，共同守护这座城市生命源泉。我们的员工 20 年如一日在新昌“生态美、人文美、产业美、全域美、生活美”的路上，成为新昌家家户户安全用水的“守护者”。

在新昌，苏伊士与合作伙伴用 20 年的执着，践行着安全优质供水的承诺，为千家万户的幸福安康深情耕耘，确保生产质量安全、稳定优质的饮用水。也通过一系列的技术改造项目优化运营效率，为节能降耗作出贡献，助力新昌经济的繁荣发展，使合作公司成为新昌率先利用外资进行城市供水处理的重要合作项目。



张新贵

新昌县水务集团党委书记、董事长、总经理  
兼新昌中法董事长

合作公司引入了苏伊士国际先进的管理经验、制水工艺和生产设施，为合作公司的安全稳定运行提供了有力的技术支持和坚实的保障。在这 20 年的合作中，双方真诚合作、相互理解、密切配合，实现了新昌中法健康持续发展目标，双方实现了共赢。我想借此机会向苏伊士表示衷心感谢！也衷心祝愿在今后的合作过程中，我们继续保持和发扬 20 年以来积累的“精诚合作、安全高效、服务民生”的发展理念，持续优化合作公司的安全营运，推进新昌供水事业的高质量发展。

在合作公司成立 20 周年纪念日，苏伊士与合作伙伴一起为合作公司揭幕 20 周年纪念牌，并向服务合作公司 20 年的员工颁发长期服务奖，感谢大家的辛勤付出和不懈努力。



# 苏伊士与台北自来水续签 碎冰清管合同

苏伊士与台北自来水签订了一份碎冰清管合同，这是 2019 年以来与该客户续签的第四次服务合同。根据新的合同，苏伊士在 2022 年 11 月前为台北及新北市清洗长达 30-40 公里的供水管网。



2019 年以来与该客户续签  
第四次服务合同



清洁 30-40 公里  
供水管网



# 苏伊士为粤海水务打造 云端数字化虚拟污水厂

2022 年 6 月，苏伊士与粤海水务签订了一项软件方案交付合同，为客户新建的汕尾东污水处理厂打造云端数字化虚拟污水厂。该项合同根据污水厂的工艺流程、运行工况、设备参数、进水条件等数据，对污水厂生物处理工艺、水质水量条件以及出水标准等进行实时在线工艺模拟，优化运营，为污水厂实现水质达标及节能降耗。

# 苏伊士获多项设备供货及技术服务合同



2022年6月21日，苏伊士与上海净东环保科技有限公司签署合同，为客户位于江苏省常熟市总处理规模为16万立方米/日的污水处理厂提供 DensaCarb™ 高效沉淀池及 Aquazur® V 型滤池工艺设备及相关技术服务。项目建成后，出水水质优于本地环保要求，为常熟市的流域污染治理贡献力量。



苏伊士与恒力石化签署污水处理项目设备供货及技术服务合同。项目位于辽宁省大连市长兴岛经济区恒力石化产业园内，将建设一条450立方米/小时的高总氮污水预处理线、一条500立方米/小时高盐污水处理线、两条500立方米/小时综合污水处理线以及一条600立方米/小时RO浓盐水达标排放处理线。



苏伊士为青岛董家口污水处理厂二期项目提供设备及技术服务，包括提供厌氧工艺、Densadeg® 高密度沉淀池、Aquazur® V 型滤池、GAC 活性炭过滤等，使出水满足城市污水排放一级A标准。项目预计于2022年末竣工。



**75%+** 污水回用率

# 苏伊士积极参与青岛国际水大会

2022年9月4-8日于青岛举行

青岛国际水大会是中国水行业内极具影响力和知名度的高端国际学术和技术会议，旨在打造水资源、水环境、水生态、水安全的综合交流平台，促进中国与世界其他国家水处理产业的发展；并借此平台让国家及地区政府与行业分享交流相关的政策法规、市场需求与行业发展趋势等。

苏伊士作为大会银牌赞助商在会上展示集团成功应用于亚洲各地的水处理技术和解决方案帮助客户解决水环境问题



苏伊士亚洲地区技术推广经理程忠红以“污泥焚烧也得因地制宜”为题，在专题论坛上分享苏伊士污泥处理技术，实现污泥减量化、无害化处理及资源化利用。



澳门自来水副总经理李志士以“珠江咸潮对澳门供水的影响及对策研究”为题，在专题论坛上发表主旨演讲，分享澳门自来水应对咸潮的经验——弹性、科学的调度方案规划。



苏伊士亚洲地区技术推广经理陈智在“城镇排水系统提质增效与污水处理厂提标改造”的主题论坛上分享提升污水处理绩效、节约土地和运营成本以及循环利用资源的新思路。

# 苏伊士集团首席执行官与上海同事进行网络沟通会议

苏伊士首席执行官苏冰岚、集团高级副总裁 Frederick Jeske-Schoenhoven 以及亚洲管理团队在 2022 年 6 月 20 日特别安排与上海同事进行网络沟通会议，感谢在年初上海疫情封控期间，同事们全力维持高质量且不间断的环境服务。

今年新冠疫情一波又一波来袭，多个城市都采取了必要的措施防控疫情。这些措施影响了大家的日常生活，更为我们为市政和工商业客户提供的环境服务带来挑战。然而在封控期间，苏伊士在全中国 30 多个城市的员工，尽职尽责、坚守岗位，以坚定意志和不懈的努力，维持生产和业务的持续，在服务连续性和高质量服务上绝不妥协，赢得客户的认可。集团管理层肯定同事们的付出，为大家取得的成绩而感到自豪。



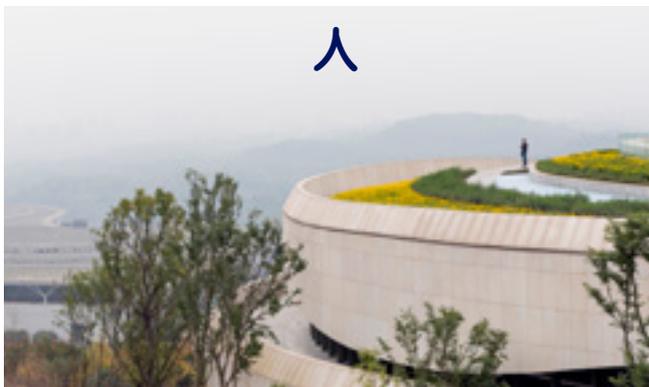
# 苏伊士亚洲 2021 年可持续发展报告

苏伊士在年初开启了新的发展篇章，我们一如既往、坚定承诺，为亚洲的可持续发展和生态发展目标贡献我们的努力。在8月，我们出版了可持续发展报告，旨在向公司内外部利益相关方发布苏伊士亚洲在环境、社会和公司管治方面的绩效，从而进一步坚定我们在可持续发展方面的立场、计划和决心。在亚洲，依据苏伊士可持续发展的指引和联合国可持续发展目标，我们承诺公司对人、地球和繁荣实现正面积极的影响。



贡献于可持续发展是我们提供各项服务时不可或缺的一部分。我们的目标是优先使用可再生能源，循环利用资源，优化生产运营效率，从而减少我们的环境足迹。

## 人



- 22 项职安健创新并落地
- 797 次管理人员的实地安全巡察
- 40% 女性管理人员占比
- 99.4% 员工培训覆盖率
- 3.59 亿元人民币社区投入

## 地球



- 126,197 吨避免的二氧化碳排放当量
- 219 吉瓦时可再生能源发电量
- 1,781 万立方米替代水生产量
- 62,244 吨废弃物衍生燃料产量
- 1/3 生物多样性重点场地执行了行动计划

## 繁荣



- 15.02 亿立方米饮用水生产量
- 4.19 亿立方米污水处理量
- 146,458 吨危废处理量
- 42,069 立方米土壤修复量
- 100% 采购合同包含企业社会责任条款

# 苏伊士菲律宾新办公室启用

苏伊士菲律宾新办公室在 2022 年 9 月 16 日启用。苏伊士邀请了多位重要的嘉宾、合作伙伴和客户出席剪彩仪式及午餐聚会，包括法国驻菲律宾领事 Michele Boccoz、办公室所在城市 Pasay 市市长代表 Cresalita Rey、大都会水务设施及排水系统（MWSS）总管和副总管 Leonor C. Cleofas 和 Lee Robert Britanico 等。

苏伊士在六十年代进入菲律宾市场，为当地的工商及市政客户提供水和污水处理服务。近年来苏伊士在菲律宾的业务不断拓展，目前在当地正在进行多个水务工程项目包括 Aglipay 和 Hinulugang Taktak 污水处理厂、Calawis 饮用水厂等，团队人数超过 100 人，常驻马尼拉，为苏伊士在菲律宾乃至整个东南亚的客户搭建工程平台。新办公室的启用为不断壮大的菲律宾团队提供了更舒适的工作环境。



# 苏伊士在扬州污泥处置 扩建项目投运



**500 吨**

日处理量



**1.2 万吨**

每年节约标煤量



**3.2 万吨**

每年二氧化碳减排当量

2022年8月1日，苏伊士在扬州市的污泥处置二期项目正式投运。此项目是2021年度扬州市重点民生工程，新增每天200吨的污泥处理量将进一步改善扬州生态环境和提升居民生活品质，同时也是推动资源循环利用和循环经济的典范。



# 西安中法分布式光伏发电 项目投产



**52 万度**

年发电量



**317 吨**

每年二氧化碳减排当量



**40%**

满足厂区40%用电需求

西安中法分布式光伏发电项目于2022年8月9日顺利并网发电。该项目每年可以利用太阳能发电不低于52万度，满足污水厂满负荷运作下40%的用电需求，每年可以减排317吨二氧化碳。

## 苏伊士在海南的环境检测实验室通过资质认证

在 2022 年 7 月 22-23 日，海南市场监督管理局的评审组对实验室进行现场审核。实验室通过了资质认证。通过此次验证后，实验室获认可五大类别，覆盖水、空气、土壤、噪音和固废共 98 项目 114 个检测方法的 500 多个参数。



## SCIP+ 绿色化学化工创新创业大赛启动仪式推动初创企业创新发展

自 2019 年首届大赛开始，苏伊士及旗下在上海化学工业园的两家合作公司（上海化工中法和上海化工升达）为园区的创新创业实践项目提供资金及技术支持，以发掘创新人才、促进创新和成果转化为生产力、推动行业和园区的绿色发展。

今年第四届的活动已于 2022 年 6 月 29 日启动。今年活动以“绿色低碳”为主题，聚焦清洁能源、绿色材料、节能低碳、资源循环等领域，致力为促进石化产业高质量发展引智聚力。欢迎国内外高等院校、科研院所、初创企业及团队提交新技术、新产品和新方案。



# 澳门自来水供水服务项目获 国际水协会选为“最佳启发性 气候智慧案例”

2022年9月15日，在丹麦哥本哈根举行的国际水协会世界水大会上，苏伊士旗下澳门自来水凭借其智慧化的解决方案、卓越的运营管理，因地制宜地帮助当地应对气候挑战、减少温室气体排放，以及以创新的方式推动节水和科普教育等方面的成效，获选为国际水协会气候智慧型公用事业表彰计划中的“最佳启发性气候智慧案例”。此外，苏伊士旗下重庆唐家沱污水处理项目和上海化学工业区水务管理项目也入选“气候智慧型公用事业单位”。

国际水协会在全球发起气候智慧型公用事业倡议，帮助水务企业提高其气候适应能力，激励其向气候智慧模式转型。评审团从34个国家和2个地区的56份案例中选出了“最佳启发性气候智慧案例”。每个入围项目都从适应性、对气候的缓解效果和领导力这三个相互关联的方面展示了应对气候变化的重要措施。





## ▲ 西安合作公司获 西安市履行社会 责任优秀奖及 优秀外商企业

西安中法获西安市 2021 年度“履行社会责任优秀奖”及“优秀外商企业”奖项，这是继 2020 年后，再次获得此奖项，充分反映了合作公司在履行社会责任及企业管理运营方面获得公众认可。

## 苏伊士编制了 苏州第一本藻类 图文手册

该书由苏伊士合作公司江苏中法编制，全面介绍了近年来长江应急水库水生态系统建设的内容和成效，同时收录了水库中出现的 187 种藻类图片及介绍了其基本特征，有助对水质进行监测及与生态管理，也是水务行业技术人员的重要教材。



## ▲ 苏伊士水务工程 和重庆中法环保 研究中心入选 “专精特新” 中小企业

苏伊士水务工程和重庆中法环保研究中心分别入选北京市及重庆市 2022 年“专精特新”中小企业。该评比是由国家工业和信息化部、教育部联合发起的，鼓励各地中小企业向专业化、精细化、特色化、新颖化发展。入选的企业可以在资金、人才、孵化平台搭建等方面获得政府的支持。

# 互访交流



## 上海市静安区副区长到访苏伊士上海办公室

2022年7月22日，上海市静安区副区长张军一行到访苏伊士上海办公室，苏伊士中国法务总监周永强接待到访的嘉宾，并一同与苏伊士亚洲地区首席执行官郭仕达以及苏伊士亚洲地区企业传讯及可持续发展首席官赵雪梅进行网络会议，就疫情防控下的生产运营、政府优惠政策支持下推动企业发展以支持当地经济等议题进行沟通交流。



## 苏伊士参加“外资环保企业在中国”专家对话

2022年7月7日，苏伊士水务工程大中华区总裁张军应中国水网邀请出席“外资环保企业在中国”直播，与主持人及行业伙伴就疫情下企业遇到的挑战、未来的发展机遇以及创新等议题进行精彩对话。



## 苏伊士获邀参加企业可持续发展大奖 总裁对话

2022年8月25日，苏伊士作为2021年中国欧盟商会第五届企业可持续发展大奖——行业最富韧性及最具创新力基础设施领军企业奖项得主获邀参加总裁对话，苏伊士亚洲副首席执行官方恒业在会上介绍了苏伊士的可持续发展管理以及两个基于自然且对改善气候变化有积极作用、备受认可的项目，分别为：“蜻蜓湿地”技术在上海化学工业园区人工湿地项目的应用和“以废治废”恒力炼化一体化污水处理厂项目。



### 菲律宾省长与苏伊士代表就基建解决方案进行交流

2022年7月27日，菲律宾西尼格罗斯省省长 Eugenio Jose Bong Lacson 以及行政长官 Rayfrando Diaz II 会见苏伊士以及 Prime Metro BMD Corporation 公司的代表。双方就为政府主导的、关系市民大众安全及环境安全方面的水务和固废项目提供创新的、全方位的基建解决方案进行深入交流。



### 苏伊士参加海南自由贸易港欧洲（法国）企业交流会

2022年7月27日，苏伊士中国水务运营区域总监李国军与当地近50家法国企业和机构代表在会上进行交流，探讨合作的机会。会后，三亚市常务副市长盛勇军会见苏伊士及其他三家法国企业代表，就外资企业在海南的发展进行深入探讨。



### 苏伊士参加亚洲基建市场论坛嘉宾对话

苏伊士东南亚总裁付文凯获亚洲基建邀请参加在2022年8月2-3日举办的亚洲基建市场论坛嘉宾对话，以探讨发展地区基建项目的潜在商机。付文凯与多名官员和同行进行对话，分享苏伊士在亚洲基建、创新、投资和可持续融资方面的经验。



### 北京市朝阳区副区长到访 苏伊士北京办公室

2022年6月30日，北京市朝阳区副区长舒毕磊一行到访苏伊士北京办公室，并与苏伊士中国水务工程总裁张军等就企业复工复产、朝阳区经济发展以及支持落实政策等方面进行了深入交流。

# 推动创新苏伊士热情不减

## 2022 年苏伊士亚洲创新奖报名情况总结

2022 年苏伊士亚洲创新奖在 8 月 15 日正式结束报名。今年大家的创新热情不减，苏伊士亚洲总部部门、各业务单元辖下多个项目和合作公司积极参与，为推动集团创新发展不遗余力。



**773 人次**

参与



**168 个**

入选项目



**27 家合作公司**

参与

“推广应用奖”、“最佳创新奖”、“创新提名奖”以及由苏伊士亚洲管理层及各业务单元负责人评选的 6 个“亚洲最高创新奖”的获奖项目将于今年 11 月公布。

再次谢谢大家的支持和参与！

## 苏伊士亚洲创新大讲堂

创新是苏伊士企业文化必不可少的一部分，强化创新的企业文化，在企业内鼓励创新有利于提升企业竞争力，推动环境的可持续发展。因此在苏伊士亚洲，我们举办一年一度的创新奖，发掘集团内的创新实践和点子，并在今年开始举办“亚洲创新大讲堂”，为员工提供一个分享创新项目的平台，同时通过邀请外部嘉宾对员工进行创新技能培训，内容包括“提供可实际用于创新的系统性工具”、“引入外部创新视角”、“激发思维，打破禁锢”、“打造创新能力”等。



**8 次**

网络分享会在 2022 年举办



**2,000 人次**

通过腾讯及 TEAMS 会议参加讲堂

# 苏伊士亚洲 2021 年最佳 创新奖项目分享

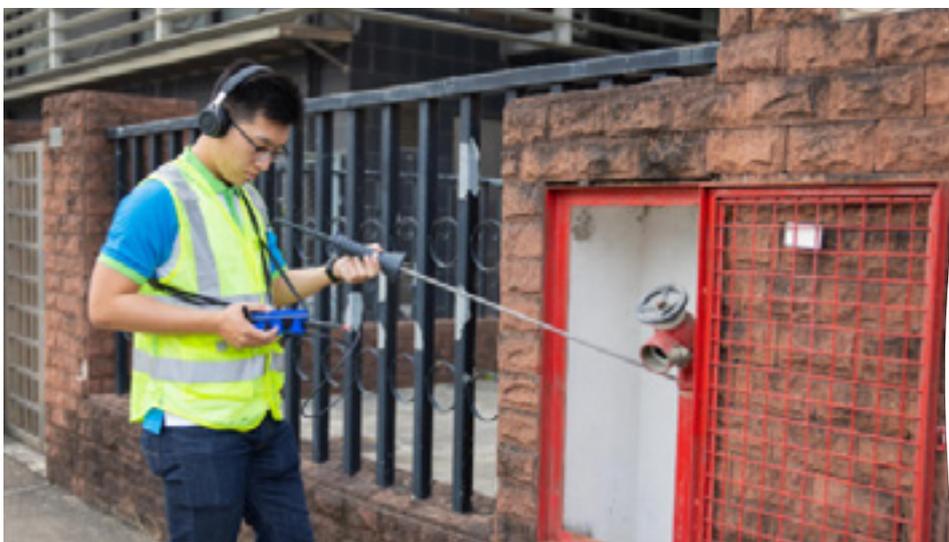


## 管网压力精细化管理

水务运营——澳门自来水

由于阀门突然开关或者泵组启停等操作而产生的水锤是管网中常见的现象。由水锤产生的压力冲击波会令管网受损。水锤的产生是突发性的，而其产生的压力波只维持数秒钟，十分短暂，因此很难探测产生水锤的位置。

为了更有效地探测水锤，项目组和法国苏伊士技术部合作，采用苏伊士的产品 Inflowmatix 探测管网的压力变化。与传统的压力传感相比，Inflowmatix 在一秒内就可以检测到 128 个压力数值，有效检测到瞬时压力的变化，同时结合 GIS 系统的数据、供水调度操作、水力模型数据对定位了的水锤的成因进行分析，并采取改善措施，减少水锤的产生，保护供水管网。



## 厌氧处理：GAC 再生解决高浓度 难降解工业废水

水务工程

随着排放标准越来越严格，高浓度难降解废水处理有很大的市场需求。颗粒活性炭吸附技术是目前广泛使用的解决方案，但饱和炭需要定期更换，同时更换过程中能耗非常高，成本贵，而且碳排放量大。

结合污水的特点和以废治废的理念，项目组提出了一个新的解决方案：

- 采用活性炭吸附及节能活性炭再生组合工艺；
- 高浓度工业废水非常适合厌氧处理，过程中产生大量沼气，用作活性炭再生系统的燃料，降低了运营成本；
- 活性炭吸附和活性炭再生系统采用水力输送的方式置换活性炭，更高效、更环保；
- 再生过程中产生的废水和碳粉送回污水处理前端进行处理和再利用。

## 我们积极贡献社区



苏伊士澳门区举办员工活动，关注澳门的海洋环境保护。同事们参加了塑胶分类工作坊和海洋废物循环利用手工作坊，认识主要的海洋污染物；另外还邀请了澳门绿色未来环保协会会长实地讲解澳门的海洋环境情况，让同事们意识到必须采取行动保护美丽的海洋环境。



为进行国际禁毒日宣传，当地媒体到苏伊士在苏州的危废处理项目现场拍摄销毁毒品的过程。此次活动销毁毒品约 500 公斤。



重庆中法供水组织当地 80 名小学生到水厂参加惜水教育课堂，让小学生了解自来水的生产过程，从小培养他们珍惜用水的意识。



▲ 苏伊士支持在盘锦的合作公司向盘锦市慈善总会捐献 5 万瓶由合作公司生产的瓶装水，支援盘锦抗洪工作。



▲ 苏伊士捐赠现金支持上海办公室所在社区的疫情防控。



塘沽中法志愿服务队在疫情期间向附近社区的防控工作人员赠送慰问品；同时，为支持本地农业发展，积极认购当地农产品，帮助当地农民解决农产品滞销的问题。

## 苏伊士为上海 化工区创造 共享价值

苏伊士为上海化学工业区提供气候友好型的环境服务，助力园区成为生态保护和循环经济的全球标杆。因此，苏伊士在上海化学工业区运营的水和固废处理项目获得在香港共享价值计划组织评定为通过技术和创新回馈自然的项目典范。



© Kyle Obermann

## 苏伊士支持香港 “蚝壳重用”计划

苏伊士与香港多家机构一起，参加由大自然保护协会发起的“蚝壳重用”计划。通过收集蚝壳作为原料堆砌生成新的海礁，使超过9吨的蚝壳免于被运往堆填区填埋。

## 苏伊士积极参与 生物多样性保护的 推广

2022年7月15日，苏伊士作为工商业生物多样性保护联盟成员单位以及大自然保护协会的合作伙伴参加了由生态环境部对外合作与交流中心和大自然保护协会举办的能力建设及自然沙龙网络分享会。我们在会议上分享了苏伊士为保护生物多样性采取的行动、提供基于自然的解决方案，以及生物多样性的保护案例。《生物多样性公约》秘书长、全球的合作伙伴、相关的专家和代表参加了网络会议，就保护生物多样性的国内外最新政策、相关指引、工具、最新的法律法规和优秀实践进行了交流。



# 举办水厂开放日 推广苏伊士的环保技术和理念



澳门自来水在 6 月开放石排湾水厂，接待了多个团体，超过 140 人，以促进技术交流并向公众展示水厂智慧供水技术和推动可持续发展的举措。



重庆长寿中法邀请当地大学师生共 25 人实地参观污水处理厂的设施，就污水处理的技术进行交流。



江苏中法水务邀请当地学生分别参观旗下的污水处理厂和饮用水处理厂，让学生认识水处理设施，了解水处理流程。



### 苏伊士香港办公室举办生日会

尽管香港疫情不稳定，在经历数周的在家办公后，香港办公室举办员工生日会，以增加同事之间的沟通和增强对公司的归属感。



### 苏伊士北京办公室鼓励亲子阅读

为鼓励亲子阅读，苏伊士北京办公室向员工家中 14 周岁以下的孩子赠送每人两本课外书籍。



### 珠海高栏港合作公司员工拓展

珠海高栏港中法举办员工拓展活动，增加员工之间的沟通交流。



### 苏伊士东南亚推动多元共融

苏伊士东南亚在 7 月和 8 月通过内部邮件推出了简单问答，让同事了解不同的文化，推动多元文化共融。

# 掩护式投标

掩护式投标是一种营造竞争假象的围标形式。它指在招投标时，公司为了支持竞争对手故意提交一份价格远高于其竞争对手的标书，或者提出客户不可能接受的条件（过高的价格、不可接受的资质或偏差等）。这种做法明显违背了集团的道德准则，集团绝对不允许这种行为。

## 问题

一个竞争对手对某个项目感兴趣，但他们担心自己会成为唯一的竞标公司。集团无意参与此项目的投标。竞争对手希望我们能够提交一份报价（如提出过高的价格），增加竞标公司的数目，以让客户会认为此次招标是成功的。

我们该怎么做？

## 答案

如提交这样的报价就构成了“掩护式投标”，是一种违法行为。即使集团没有从中获得任何经济利益或其他报酬，集团也可能被定罪及处罚。你必须将这事情上报公司管理层及法务部门。



如有任何疑问，请电邮至：

[ethics.asia@suez.com](mailto:ethics.asia@suez.com)

# 安全巡视 积极发现分享

## 1. 水务运营 - 珠海高栏港中法

活性炭卸料点设置了人体静电释放装置。



1

## 2. 水务工程 - 张家港晨丰污水处理项目

配电柜上锁挂牌。



2

## 3. 固废资源管理 - 工业清洗

于有限的空间作业使用的带有供气系统和生命监测装置的头盔和呼吸防护用品。



3

## 4. 水务工程 - 上海竹园污水处理厂项目

积极宣传苏伊士救命法则、公正文化和安全周活动。



4

# 职安健优秀做法分享

## 1. 便携式救援抛投瓶

重庆中法供水自主设计及制作便携式救援抛投瓶，为意外落水的人提供救生工具，缩短救援时间。

## 2. 吸水膨胀防汛袋

青岛中法海润除了使用常规防汛沙袋外，还使用自吸水膨胀防汛袋，以避免紧急状况下大量装填防汛沙袋的情况。自吸水膨胀防汛袋轻便、吸水速度快、耐用，未吸水状态时只有0.5厘米厚，吸水后可膨胀至10-15厘米，有效防汛，使用后能快速晒干，重复使用。

## 3. 散热安全帽

重庆中法环保研发中心获得“具有散热功能的安全帽”实用新型专利。产品可有效散热，降低佩戴者头部温度，提升舒适感，降低安全风险。

