



Danish Water Technology Group China

Newsletter April & May 2019

[U-S-E Water Project](#) | [Previous Event](#) | [Upcoming Event](#) | [Case Story](#) | [Water Dynamics](#) | [Our Members](#)

The U-S-E Water Project

Activities in the project

The project has a wide range of activities in Denmark as well as in China:

- Matchmaking events
- Roadshows and site visits
- Seminars
- Workshops/conferences
- Webinars
- Pavilion of Denmark at international trade shows in China

To be considered for Chinese projects you will meet decision makers, technical staff and local partners ready to do business with you. Chinese delegations will furthermore be invited to Denmark during the project to visit your company. Furthermore, the project partners are VCS – Danish utility, the Danish Embassy in Beijing and the Shanghai Environmental Protection Industry Association (SEPIA).

Screening services

The U-S-E Water project offers a screening, product analysis, information about the market and/or evaluation of your market situation. 90% of the costs are covered by the Industry Foundation, meaning that each company should expect to pay between 3,000 and 8,000 DKK for the screening.

All participating companies can apply for a screening of their company in relation to their market potential in China. The Industry Foundation covers 90% of the expenses associated with the screening, so that each company should expect to pay between 3,000 DKK and 8,000 DKK depending on the scope of the screening.

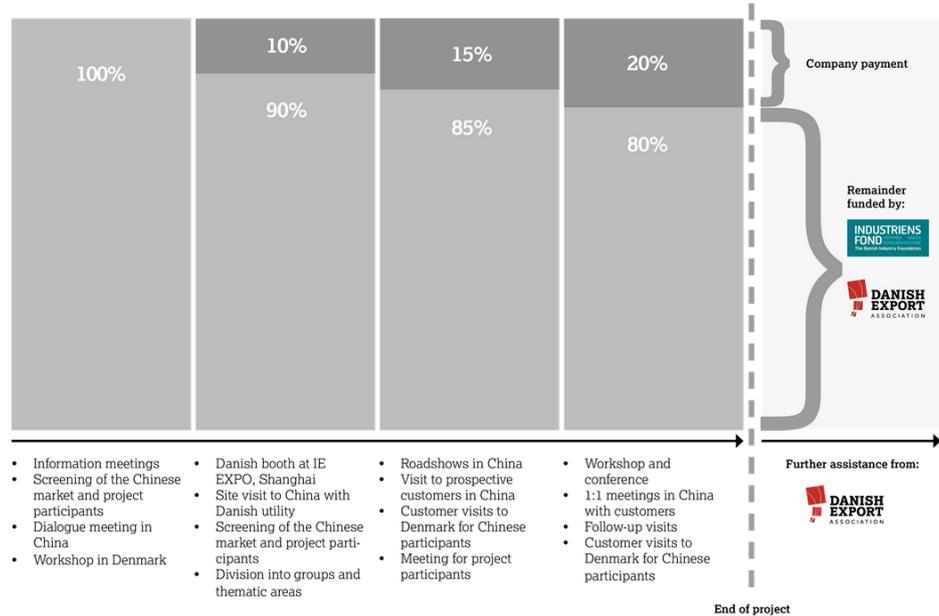
**INDUSTRIENS
FOND** FREMMER DANSK
KONKURRENCEEVNE
The Danish Industry Foundation

 **DANISH
EXPORT**
ASSOCIATION

 **DANISH
WATER
TECHNOLOGY**
GROUP

Funding

As part of the project, Danish companies will be supported financially through the following model in each phase. Your own payment covers external consulting for individual business development, as well as travel expenses. It is not a prerequisite to participate in all activities. Hence your own costs depend on your degree of participation and your need for consulting and advice.



Previous Event

Opening for Pavilion of Denmark in 21th IE expo China 2019, Shanghai April 15-17, 2019



As the flagship environmental protection exhibition in Asia, the 21th IE expo was successfully held at Shanghai New International Expo Center on April 15-17, 2019. The three-day exhibition attracted more than 73,000 professional visitors from 58 countries. Advanced products technology and innovative solutions of the whole industrial chain in water supply, water treatment, wastewater treatment and sludge treatment etc. are presented in an all-round way. The success of the 21th IE expo also indicates a bright future of environmental industry and water industry in China. Covering an area of 100 m², consisting of 10 Danish waer technology companies, the Danish Pavilion, which is organized by Danish Water Technology Group and Danish Water Technology Group China, made its own success during this top flagship environmental protection exhibition in Shanghai.



The opening and ribbon-cutting ceremony of the Danish Pavilion at IExpo was successfully held on the morning of April 15, 2019 at the G11/F11 booth of W4 Hall in Shanghai New International Expo Center.

Mr. Ren Guanping, Vice Chairman and Secretary General of the Chinese Society of Environmental Science (CSES), and Mr. Jakob Linulf, Consul General of the Royal Danish Consulate General Shanghai delivered the opening speech. Thanks to the huge market in Chinese Water and Environmental Protection Industry, the cooperation between Denmark and China will have a great potentiality at the coming years. Guests from the Chinese Society of Environmental

Sciences, Shanghai Environmental Protection Industry Association, Danish Exhibitors were also invited for the opening ceremony.

Sino-Danish Water Technology Solution Seminar was held during IEexpo China 2019 April 15, 2019



On the afternoon of April 16th, the Sino-Danish Water Technology Solution Seminar was successfully held during the IEexpo China 2019 as an event of Danish Pavilion. This seminar aims to provide a good impression of Danish advanced water technology and understanding of the U-E-S Water Project to the participants of the exhibition and broader audience. As a key partner of the U-S-E Water Project, Royal Danish Embassy in Beijing worked closely with Danish Water Technology Group China on the seminar. Alfa Laval, Danfoss, Grundfos, Hempel, Hexa-Cover, HF Jensen, IWA Denmark, KD Group, Landia and Ultraaqua UV as the representatives of leading Danish water technologies participated in the seminar.



After the opening announcement by Mr. Andreas Julskjaer, Consultant of Danish Water Technology Group (DWTG), Ms. Marie Louise Flach de Neergaard, Minister Counsellor of Environment & Water and Food & Agriculture made the opening speech, expressing her good wishes to Sino-Danish cooperation on the water technology. Then, Prof. Li Jianhua from Tongji University, one of the top experts of environment study in China, made a speech on the outlook of Chinese water policy, which indicated that following the European environmental development path,

China is approaching to higher standards on environmental policies.

Accordingly, a speech on sustainable Danish water technology utilization was made by Mr. Henrik Dissing from Ministry of Environment and Food, Denmark, which introduced Danish path and Danish ideas to a sustainable water future. Then, non-revenue water (NRW) was discussed as one of the key issues challenging the water industry by a Danish expert of NRW, Mr. Jens Baadsgaard Pedersen, who is also the CEO of Nordic Technologies A/S. To response challenges of Chinese water market, Mr. Ivan Vølund, Head of Wastewater Department, VandCenter Syd, made the next speech talking about Danish solutions to water challenges. Finally, Mr. Adam Zhang, Water Consultant of DWTG China, introduced to the audience about the U-S-E Water Project as the bridge accessing to the advanced Danish water technologies and Danish representative enterprises in the Danish Pavilion. A pleasant business networking was carried out afterwards.

More than 60 participants from various stakeholders actively attended the seminar and its networking session, including government agencies, design institutes, state-owned companies and private companies. Through this seminar, more information about Danish water technologies and the U-S-E Water Project were shared to the Chinese water market, and increasing Chinese enterprises are looking forward to work together with Danish water technologies.



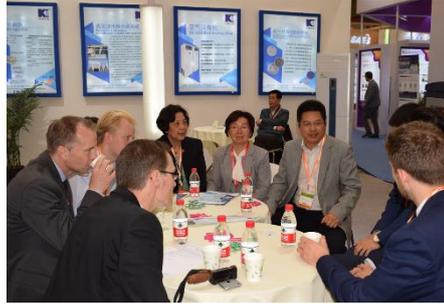
Visit to Shanghai Pavilion during IEexpo China 2019 by the Danish Delegation 17th April, 2019



Danish Water Technology Group China organized Pavilion of Denmark during IE expo China 2019, which is supported by Danish Export Association and the U-S-E Water Project. Excellent Danish water technology companies and organizations actively took part in the Danish Pavilion and its side activities, bringing together the world leading water/wastewater technology and water management to the exhibition, aiming to present Danish integrated solutions and holistic approaches to the challenges in Chinese water market.

On the morning of 17th April, led by Mr. Andreas Julskjaer, consultant of DWTG, the delegation of Danish Pavilion paid a visit to the Shanghai Pavilion.





The Shanghai Exhibition Hall was organized by Shanghai Environmental Protection Industry Association, which is Danish Export Association's local partner on the U-S-E Water Project. About 21 environmental enterprises and institutions from Shanghai participated the Shanghai Pavilion, including Shanghai Environment Science Research Institute, Shanghai Municipal Engineering Design Institute and local environmental companies.

The large scale of the pavilion and the enthusiasm of indigenous environmental companies made a good impression to the Danish delegation. Both

sides agreed to work closely so as to discover and develop cooperation opportunities.

Upcoming Event

U-S-E Water Project Information Meeting in Beijing

– Get an unparalleled gateway into the north Chinese water market with DWTG China.

Tentative Date: 26 June 2019

Tentative Venue: Royal Danish Embassy Beijing

Beijing is the capital and the political center of China. In recent years, a series of environmental policies which exerts great influence on water industry have been released from Beijing, imposing the whole country. Besides, a number of excellent water enterprises locate in Beijing, including Veolia China, Suez China, Beijing Enterprises Water Group, Beijing Capital and OriginWater etc. Moreover, major design institutes, research institutes and education institutes related to water industry also converge in Beijing.

This time, DWTG China will bring our members and U-S-E Water Project participants to Beijing, meeting with potential cooperative partners and establishing strong networking. Through introducing the U-S-E Water Project, important stakeholders will have a better understanding of advanced Danish water technologies and Danish water enterprises. The invitation letter will be sent afterwards with separate emails. We are looking forward to seeing you in Beijing!



Case Story

Grundfos: Ningbo doses safely and accurately for 1.5 million citizens



Ningbo built its first modern water treatment plant in 2007. Raised on a hillside in the mountains near this urban area of about 4 million in Zhejiang province, the Ningbo Dongqian Lake water plant would supply water to about a third of the city's population.

Jiang Yarong worked with the plant to secure a proper pump supply. She is general manager of Hangzhou Jijie Environment Protection Technology Company. Nearly a decade later, she visits the plant, walking along its settling tanks and under a sign that says, "Building a harmonious environment" in Chinese characters. On a rock face over a tunnel behind the plant, the word "water" is painted in several styles.

"Ningbo Dongqian Lake water plant is one of my classic customers and one of the key successful cases in Zhejiang water plants," she says. She points out that the plant was able to successfully avoid problems in one of the most troublesome applications at water treatment facilities: the pumping of sodium hypochlorite.

This volatile compound, used as a disinfectant, has a high pH level and is dangerous if it comes in contact with humans or the environment in high concentrations. Finding the right pump technology was crucial, says Jiang Yarong. "Normal dosing pumps in the Chinese market could not avoid leakage problems," she says. This plant must be safe for the city's residents and plant's workers.



Jiang Yarong recommended Grundfos DME digital dosing pumps. Ten years later, the DME's still just work 24/7, according to Service Supervisor Zhou Zhengli of Hangzhou Jijie Environment Protection Technology Company.

"There are three key advantages of Grundfos products," Zhou Zhengli says.

The first is their accuracy in measurement for variations in dosing volume. "Normally, products in the market can only make a range of 1:40, while Grundfos products have a quite wide measuring variation

at 1:800. This allows Grundfos to apply to different situations in the water plant," he says.

He has also been satisfied with the pumps' "highly integrated control panel, which guarantee simplified maintenance and operation." He adds that Grundfos avoided the typical leakage problem due to their products' high quality diaphragm. "That quality also guarantees that the products can apply to different conditions at the plant, like extreme humidity or temperatures," he says.

Jiang Yarong calls the project "the very first modern water plant in Ningbo." It set a precedent in the region. Today more than 200 water plants in Zhejiang Province use Grundfos, she says.

"Grundfos pumps have served here more than 10 years without any faults or leakage problems. Thus, they earn great recognition from the plant's equity owner," she says. "These pumps ensure the water safety of 1.5 million citizens. From my side, it is an important issue with great social value."

Source from Grundfos

China Water Dynamics

New water project to increase supply to Shenzhen

May 8, 2019

The Pearl River Delta Water Resources Allocation Project, said to be the largest water diversion project in Guangdong's history in terms of investment, will bring 847 million cubic meters of water to Shenzhen a year.



Work on the 35.4-billion-yuan (US\$5.2 billion) project was inaugurated at a ceremony in Nansha, Guangzhou, on Monday and is scheduled to be finished in five years.

It is the first important infrastructure project since the State Council unveiled the outline development plan for the Guangdong-Hong Kong-Macao Greater Bay Area in February, according to Governor Ma Xingrui, who delivered a speech at the ceremony.

The project will pump water from the Xijiang River to the Dongjiang River, ease water shortages in the eastern cities of the Greater Bay Area and ensure an emergency supply for Hong Kong. An 11.9-kilometer section of the 113-kilometer project will be in Shenzhen.

The project, the longest water project in the province, will go through the city cluster of the Pearl River Delta starting from Liyuzhou in Foshan City, the main stream of the Xijiang River, and ending at Gongming Reservoir in Shenzhen. It is designed to supply an average 1.78 billion cubic meters of water to nearly 30 million people annually.

The project is a great engineering challenge as pipes will be laid 40 to 60 meters under the ground through the whole length, including 2.4 kilometers under the estuary of the Pearl River, the Ministry of Water Resources said.

Water quality rankings of key cities disclosed

May 5, 2019

The top environmental watchdog made public the water quality rankings of major cities across the country for the first time on Tuesday, hoping to pressure local governments to redouble their efforts to improve water quality via media exposure.

The country experienced a general improvement in its surface water quality in the first quarter of this year. Of the 1,940 national monitoring sections, 74.3 percent were found to have fairly good water quality—at or above Grade III in China's five-tier water quality system, up by 8 percentage points year-on-year—according to a media release from the Ministry of Ecology and Environment on Tuesday.

It said 6 percent of the sections were found with water below Grade V, the lowest level, down by 3.6 percentage points. The major pollutants in the water were ammonia nitrogen, total phosphorus and chemical oxygen demand.

"The main reason for publishing the rankings is to pressure local governments to intensify their efforts in water protection," said Hu Kemei, deputy director of the ministry's environmental monitoring, adding that publishing the rankings has proved successful in improving air quality because it tends to strengthen efforts by local governments.

Disclosure of the information will also facilitate the public's participation in supervising the government's work and encouraging governments to fulfil their duty, she added.

In addition to the water quality ranking, the ministry also published a list showing the improvement made by major cities in the past three months. The two rankings will be published every three months, the ministry said.



The Ministry of Ecological Environment released the Notice on the Recommendation of Advanced Water Pollution Control Technologies

April 29, 2019

The Ministry of Ecological Environment has decided to collect and select a group of advanced water pollution prevention and control technologies in order to compile a catalogue of national pollution prevention and control technologies (in the field of water pollution prevention and control).

This catalogue intends to provide technical guidance for the prevention and control of water pollution for different regions. Key technologies which are demanded include: urban and rural sewage treatment and recycling technology; Industrial wastewater treatment and recycling technology; Livestock and poultry wastewater treatment and resource technology; Landfill leachate treatment and recycling technology; Black and smelly water treatment and water remediation technology; Groundwater pollution treatment technology; Sludge treatment and disposal technology generated from bottom sludge and sewage (waste) water treatment; Water quality - based technology for the assessment and optimization of allowable discharge from sewage outlets into rivers.

China shares know-how in water project building

April 27, 2019

China has been promoting the overseas application of its technical standards for water resource projects and is actively participating in the draft of the international standards as Chinese companies enhance their capabilities to contribute to the Belt and Road Initiative, according to the country's top water resource authority.

Liu Zhiguang, director for international cooperation, science and technology of the Ministry of Water Resources, said Chinese companies have been involved in water resource and hydropower projects in at least 70 countries and regions for technology consulting services or equipment supply etc.

Many Chinese enterprises have also been preparing to help BRI countries in their development of water resources and hydropower projects. Changjiang Institute of Survey, Planning, Design and Research, the designer for the Three Gorges Dam, has contributed its expertise in water governance and hydropower development in over 50 countries and has set up branches in at least 10 countries, including Pakistan and Nepal, said Niu Xinqiang, head of the institute headquartered in Wuhan, Hubei province.



In addition to sending employees overseas for training, the company has also brought in international talent to improve its capability in the international market, especially BRI countries, according to Niu, an academician at the Chinese Academy of Engineering.

Since 2005, the company has sent more than 120 of its employees to the United States for three-month training sessions on international project management and has also been facilitating its employees to win internationally recognized engineering qualification certificates, he said.

With one foreign senior adviser for international business development and three foreign technical experts in its China office, he said, the company plans to bring in more international talent, hoping that they could help train their Chinese colleagues on overseas projects.

The income tax of China's pollution control enterprises is expected to be reduced to 15%

April 25, 2019

The Ministry of Finance, the State Administration of Taxation, the National Development and Reform Commission (NDRC), and the Ministry of Ecological Environment issued the "Announcement on the issues of third-party enterprises engaged in pollution prevention and control income tax policy". The announcement clearly stipulates that enterprise income tax is levied on eligible third-party companies engaged in pollution prevention and control at a reduced rate of 15%.

This tax break for enterprises in the environmental protection industry will not only reduce the tax burden on environmental protection enterprises, but also be of great significance to the actual performance and profits of pollution prevention and control enterprises (average 3%~6%). Some industry experts pointed out that this move also shows that the central government pays high attention to the development of environmental protection industry, which is conducive to increasing social capital's attention to the environmental protection industry.

Satellite remote sensing used in water protection

April 25, 2019

Satellite remote sensing has transformed environmental law enforcers into clairvoyants thanks to an app on drinking water sources developed by the Ministry of Ecology and Environment, People's Daily reported.



Law enforcement on drinking water source protection zones is difficult due to its unique characteristics - some drinking water source protection zones are as large as thousands of square kilometers while some are located in remote mountainous areas which are hard to access. Therefore, traditional ground investigation to locate violators is high in cost and workload and low in timeliness.

The drinking water source enforcement app integrates satellite remote sensing images, water environment problems spotted by satellite, water protection zone boundary's spatial data, water environment problems found by provinces and cities themselves and law enforcement data at the scene, and sends environmental problem lists to law enforcers at the scene to guide their work.

The app was used during the nationwide inspection on water sources in 2018 and the law enforcement during water sources inspection at county level this year.

The remote sensing can also be used in making electric and visual files for water source protection zones after matching the satellite remote sensing images and the ground situation. Such work has been trialed in four cities. In the future, satellite remote sensing will become a normal method in everyday law enforcement of water sources and long-term supervise.

Cities tap Yangtze for drinking water

April 18, 2019



Water pollution has forced many regions, especially in southern China, to change their sources of drinking water, with many reaching out to the Yangtze River, a report said.

The contamination of water bodies has made drinking water in southern China scarcer, despite a dense network of waterways, according to the report, published earlier this year by the Institute of Public and Environmental Affairs, an NGO.

A campaign to root out environmental violations at water intake sites is expected to improve things, but environmental authorities should be aware that local governments may choose to abandon their water intake sources to avoid rectifying problems, said Ma Jun, director of the institute.



Information compiled by the NGO from government documents show that at least 162 sources of drinking water across the country have been abandoned or were slated for suspension over the past decade, mostly in the south.

It said many areas in the south must receive water diverted from far away because of local pollution. For some areas in the north, diversion is chosen because of water shortages. Many places in Jiangsu province have turned to the Yangtze for water.

Three Gorges Group and a number of financial institutions set up a 100 billion fund for the protection of the Yangtze River

April 12, 2019

The Three Gorges Group has confirmed that Agricultural Bank of China (ABC) is the vice chairman unit of the Yangtze River Eco-Environment Industry Alliance and the lead unit of the Financial Professional Committee. It has led the financial services of the four major state-owned banks, China Development Bank, Agricultural Development Bank, China Life Insurance and other large financial institutions, and 100 billion yuan of Yangtze River Green Fund related cooperation. Under the guidance of the National Development and Reform Commission (NDRC), the Yangtze River Eco-Environment Industry Alliance was led by the Three Gorges Group to build a national platform for the protection of the Yangtze River. The "Great Yangtze River Protection" is one of the national strategies and is of great significance to promoting the development of the Yangtze River Economic Belt.



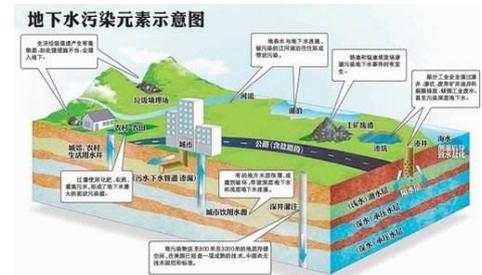
China plans to restore groundwater ecosystem functions by 2035

April 3, 2019

An environmental report released by the Ministry of Ecology and Environment in May said that more than 60 percent of China's groundwater was graded as poor quality in 2017. The latest data from the Ministry of Water Resources shows that in 2017, the country's groundwater supply was 101.7 billion cubic meters, or 16.8 percent of the water supply.

Therefore, China will strive to generally restore the functions of its groundwater ecosystem with enhanced water quality by 2035 in an effort to curb water pollution. The target will be achieved gradually, with the share of the groundwater with extremely poor quality among total groundwater reduced to about 15 percent by 2020, according to an implementation plan released by the Ministry of Ecology and Environment and four other ministries. The country will establish a system for standards and rules related to the protection and treatment of groundwater pollution and a national monitoring mechanism by 2025.

A detailed plan will be released before the end of 2020 to outline key tasks and steps for groundwater pollution protection and treatment for the 2021-2025 period. To ensure the timely fulfillment of these goals, groundwater quality will join the quality of surface water as a main part of environmental protection inspections by central authorities, the plan said. Under the plan, future work will focus on building a system of wells nationwide for monitoring groundwater and a big data information platform for sharing the results. General laws and regulations that lay out standards for groundwater monitoring, groundwater pollution control and water treatment will be issued by 2020.



Source from China Daily, Shenzhen Daily, China.org & h20-China.com



Why join DWTG China?

"Being part of Danish Water Technology Group China gives you a platform for growing your business in China. Sharing market knowledge, contacts and information on projects with the other members of the network gives you a head start in approaching new and existing customers." Ms. Angela Zhang, Chief Representative of Danish Export Association China.

Contact



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- Sina Weibo
- Wechat – DMOG China



Our Members

