

IE EXPO CHINA 2023 & DELEGATION VISITS TO CHINA PROGRAM PLAN

PRELIMINARY (TBC)

NEW DATES FOR CHINA:

With considerations of giving more time to prepare visa and of holiday in Denmark, we decided to reschedule our first delegation visit to China from March to April. We are delighted to invite you to China and join us one or both events.

Event 1: IE Expo China 2023 (April 19-21)

- A turn-key and full-service stand at Danish Pavilion with central booth location
- Side activities including seminar, B2B meetings, dinner etc.

Event 2: Delegation visits (April 21-28)

- Visits to 2 of our WWTP partners (April 21, and 23)
- Visits to 5-7 water utilities in Jiangsu, Zhejiang and Guangdong province (April 24-28)

!!! CHINA IS BACK TO NORMAL:

- China resumed international travel on 8th January, meaning no quarantines, no testings!
- Infection rate has reached 90%, and the COVID peak has passed.
- The situation is now back to normal and business activities are ongoing.



EMBASSY OF DENMARK
The Trade Council



Unite partners
Support knowledge
Expand business

PROGRAM FOR EVENT 1

About Event 1——IE Expo China 2023

"As Asia's leading environmental show, IE expo China offers an effective business and networking platform for Chinese and international professionals in the environmental sector and is accompanied by first-class technical-scientific conference program. It is the ideal platform for professionals in the environmental industry to develop business, exchange idea and network.

Along with the increased market demand and big support in the environmental industry from the Chinese government, the business potential in the environmental industry in China is huge.

Undoubtedly, IE expo China is a "must" for the environmental players to exchange ideas and develop their business in Asia. " Read more [here](#).

You will get unique benefits from being part of Danish Pavilion:

- A turn-key and full-service stand incl. table, chairs, power, drinks, snacks, and our continuous assistance at the booth
- Joint marketing through influential channels and platforms
- Participation in reception/arrangement
- Participation in the seminar where both Danish and Chinese water stakeholders will be invited and where you get opportunity to present your technology

Range of exhibits

Water and Sewage Treatment

- Mechanical-physical processes
- Chemical-physical processes
- Biochemical processes
- Membrane processes
- Treatment of sludge and residues
- Usage of sludge and residues
- Gas generation and reprocessing
- Plants
- Heat recovery / energy production and saving

Mechanical Engineering and Plant Engineering in Water Management

- Pumps and lifting system
- Process measuring and control technology
- Mechanical installations and control technology
- Electronic installations
- Transmission engineering
- Other installations and accessories

Street Cleaning and Maintenance

Environmental Monitoring and Measuring

- Analysis and laboratory techniques
- Environmental monitoring techniques and equipment

Air Pollution Control, Flue Gas Scrubbing and Fresh Air

- Dust removal
- Treatment of volatile organic compounds (VOCs)
- Desulphurization and denitrification
- Synergistic governance of multiple pollutants
- Ultra low emission technology
- Odour treatment

Water Supply and Sewerage Systems

- Pipes and pipe fittings
- Shafts and special structures
- Outlets
- Fittings
- Seals
- Corrosion protection
- maintenance and Cleaning
- Drinking water tanks – construction and rehabilitation

Hydraulic Engineering

- Protection, development and maintenance of water bodies
- Flood and coastal protection
- Irrigation and drainage technology

Refuse Management and Recycling

- Refuse collection and transport
- Vehicles and superstructures
- Refuse treatment and recycling
- Biological treatment and composting
- Landfills
- Plants and equipment for the recycling and utilization, Waste disposal and utilization
- Comprehensive utilization of industrial solid waste
- Accident prevention and safety

Environmental Services

- Water-supply and sewage-disposal services
- Waste recycling and disposal services
- Suppliers of secondary raw materials
- Restoration of regional and watershed ecological environment
- Environmental pollution governed by a third party
- Consulting and engineering services
- Consulting for management and organization
- Professional platform and industrial park
- Information technology

Waste to Energy and Resources

- Biogas plants
- Waste incineration
- Utilisation of landfill gas
- Resource utilization of livestock and poultry waste
- Resources Utilization of kitchen waste
- Utilization and power generation of biomass energy

Noise and Vibration Control

Old Site and Soil Remediation

- Registration, evaluating and monitoring contaminated soil and groundwater
- Treatment of contaminated soil
- Soil Amelioration
- Treatment of contaminated ground Water

Education, Research and Technology transfer

- Vocational training and further training
- Universities
- Research institutes
- Trade associations and institutions
- Medias

PROGRAM FOR EVENT 2

About Event 2—Delegation Visit to China

We will start with visits to 2 of WWTP partners to have a deep discussion about the potential demo projects, where a lot of efforts have been made in the last few years.

Workshops with 5-7 local water utilities will be arranged in Jiangsu, Zhejiang and Guangdong. Here is the preliminary agenda, which covers both in Water and Wastewater.

| PRELIMINARY MEETING AGENDA | |
|---|---|
| 10MIN | Opening by Head of both organizers |
| 5MIN | Introduction of U-S-E Water 2.0 project |
| WATER SESSION | |
| 20MIN | Introduction to the status, strategic focus, and challenges of water supply – by Chinese Utility |
| 20MIN | Introduction to the status, NRW management and innovation of water supply system - by Danish Utility |
| 35MIN | Danish technology and solution supplier A |
| | Danish technology and solution supplier B |
| | Danish technology and solution supplier C |
| 10MIN | Break |
| WASTEWATER SESSION | |
| 20MIN | Introduction to the status, strategic focus, and challenges of wastewater treatment – by Chinese Utility |
| 20MIN | Introduction to the experience and innovation in WWTP upgrading, energy neutralization and resources recovery – by Danish Utility |
| 35MIN | Danish technology and solution supplier D |
| | Danish technology and solution supplier E |
| | Danish technology and solution supplier F |
| 25MIN | Q&A, Discussion of potential projects and cooperations |
| 10MIN | Closing keynote address |
| TOTAL ESTIMATED DURATION (TEA BREAK INCLUDED) : 3.5 HRS | |

Note:

- The agenda is subject to change, depending on who and how many are participating from Danish companies.
- We may combine with WWTP visits in case of interest.

Delegation visit

April 2023



**GATHER IN
SHANGHAI**



**YANTAI
SHANDONG PROVINCE**

VISITS TO WWTP PARTNERS

21/04 Friday



**YANTAI DRAINAGE GROUP
& TAOZIWAN WWTP**



BEIJING



22/04 Saturday

ENJOY A RELAXING WEEKEND~

23/04 Sunday

(WORKING DAY DUE TO
CHINESE MAY DAY HOLIDAY)



**BEIJING DRAINAGE GROUP
& GAOBEIDIAN WWTP**

1



Beijing Drainage Group Co., Ltd. (BDG) was established in 2001. It's a state-owned company having a total asset of 80 billion RMB and 5,000 employees. Their business area covers rainwater and sewage collection, treatment, recycling, and sludge treatment & disposal. It owns 10,000km water pipelines and 97 pump stations, with capabilities of 4,500,000 m³/day in sewage treatment and 4,128 tons/day in sludge disposal.

Gaobeidian WWTP, serving 5 million population, has been a strategic and **potential demo** project partner in the cooperation between Copenhagen and Beijing. Feasibility study with 14 proposals has been made by Denmark, and BDG would like to meet the Danish suppliers.

2



Yantai Drainage Service Center Co., Ltd. is the wastewater utility of the Municipality of Yantai. The company is responsible for, among the other, the drainage pipework and the 2 largest WWTPs of the city. The total wastewater treatment capacity of the company is 460,000 m³/d.

According to the Lol between Danish Export and Yantai Drainage, Taoziwan WWTP (design capacity of the plant is 350,000 m³/d: Phase I 207,000m³/d, Phase II 135,000m³/d) has been analyzed by Danish specialists, based on the data provided by Yantai Drainage. It is one of the **potential demo** projects to implement the upgrade of the WWTP during U-S-E Water 2.0.

WORKSHOPS WITH LOCAL WATER GROUPS

24/04 Monday



SHENZHEN
GUANGDONG PROVINCE



**GUANGDONG GDH
WATER GROUP**



SHENZHEN WATER GROUP



GUANGZHOU
GUANGDONG PROVINCE

25/04 Tuesday



**GUANGZHOU WATER
INVESTMENT GROUP**



SHAOXING
ZHEJIANG PROVINCE

26/04 Wednesday



**SHAOXING PUBLIC
UTILITY GROUP**

3



Enterprise: **Guangdong GDH Water Group**

Interested topics:

1. low carbon nitrogen ratio in wastewater treatment
2. sludge reduction treatment
3. digital and intelligent management of drainage network
4. new technologies, for instance, different membrane technologies
5. industrial wastewater treatment, e.g., printing and dyeing

4



Enterprise: **Shenzhen Water Group**

Interested topics:

1. water supply digital twin
2. wastewater reclamation
3. sludge disposal and treatment

5



Enterprise: **Guangzhou Water Investment Group**

Interested topics:

1. excess nitrogen in the effluent
2. upgrading of WWTP Smart control system
3. drinking water membrane technology
4. experience from underground sewage treatment plant like Hillerød

6



Enterprise: **Shaoxing Public Utility Group**

Interested topics:

1. improve industry plants discharge
2. old instruments upgrading and rebuilding
3. challenge in industry structure type
4. innovation in biotreatment technology
5. smart water system
6. build city information modeling

7



Enterprise: **Ningbo Water & Environment Group**

Interested topics:

1. integration of water collection and distribution assets of the whole city
2. wastewater reclamation
3. smart water
4. energy saving
5. sludge disposal

8



Enterprise: **Hangzhou Water Group**

Interested topics:

1. water supply model
2. WWTP energy saving
3. aeration process
4. biological phosphorus removal
5. WWTP smart operation

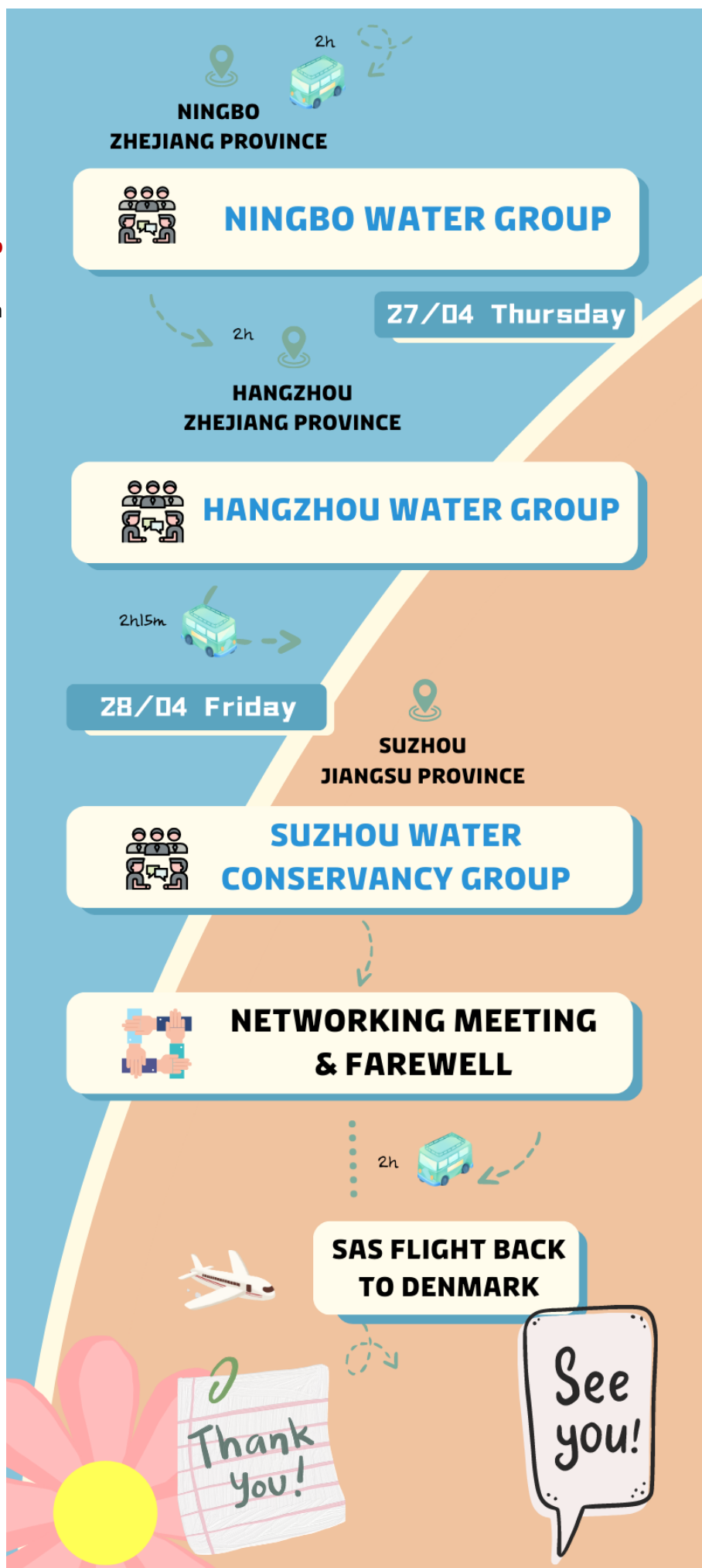
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Enterprise: **Suzhou Water Conservancy**

Interested topics:

1. instruments smart operation
2. denitrification in wastewater treatment process
3. stability of water meter and control logic



SIGN UP

- **EVENT 1: IE EXPO CHINA 2023 HERE**
- **EVENT 2: DELEGATION VISITS TO CHINA HERE**

Note:

- This initial program is subject to changes.
- Flights, trains, hotels, and food are on own expenses, but group inland travel arrangements will be made by the Embassy.
- The prices are subject to subsidy by the Trade Council, which has been approved.

U-S-E Water 2.0 project team will do our best to deliver you a satisfactory experience and ensure your benefits from the China trip.

Should you be interested in hearing more about the latest situation in China, you are welcome to reach out to Lars Eskild at the Embassy in Beijing.

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UNITE PARTNERS

SUPPORT KNOWLEDGE

EXPAND BUSINESS

Danish Export-Water China, Danish Environment Protection Agency and Trade Council's Water & Environment Team at the Embassy in Beijing have established a partnership on Water in China, which is to be carried out through U-S-E Water 2.0.