

We look forward to welcoming you to Denmark for a four-day exploration of the innovative water and wastewater solutions implemented in the country. This tour will delve into the inner workings of Danish water utilities and the cutting-edge technologies shaping our water sector.

Over the course of the fourdays, you'll have the opportunity to:

- Engage with key actors and utilities in the Danish water sector who will share insights into the current challenges, implemented solutions, and strategic considerations for maintaining sustainable, efficient, and innovative decisions.
- Visit leading Danish water utilities and technology providers, and tour innovative facilities to gain firsthand knowledge and technological insights for both **water** and **wastewater** treatment.
- Hear from Danish regulators and industry associations about the latest developments and political agendas in water and wastewater management.

This delegation trip will bring together utilities and key stakeholders from Spain and Portugal. We encourage you to bring your questions for our Danish utilities and technology providers, and equally important is the sharing of your own experiences from regulatory, operational, or technological perspectives. This visit is a unique opportunity for international knowledge exchange, and we look forward to fruitful dialogues and discussions across borders.

Please note that the tour will be conducted in English, with the possibility to ask questions in your language. Our team will help with translation services as required. Hotel reservations will be made for the entire delegation and we will travel together within Denmark by private bus. Participants are responsible for covering the cost of their own flights and hotel. Transport in Denmark, visits, and meals are covered by the WTA EU.

We extend a warm welcome and look forward to your participation! You can sign-up using this link.



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### COMMUNICATION



LinkedIn Scan QR code to follow our LinkedIn profile and see our post about the delegation throughout the week.



Whatsapp Scan QR code to join the Fact Finding Trip to DK group chat and receive day-today program updates throughout the week.



Sharefile Scan QR code to access our ShareFile folder. We will be updating the folder every day with photos and presentations from the trip. Feel free to share yours as well



# PROGRAMME

### **TUESDAY 17 JUNE 2025**

Guests are expected to arrive in Aarhus the night before (Monday 16. June 2025) Optional dinner at 20:00 at Elle Belle, boulevarden 55, 8000 Aarhus C

8.00 Meet in hotel lobby (Scandic The Mayor) checked-out and ready to leave

Sulfilogger

8.30

11.00

14:30

16.15

• "Data-driven odour & corrosion control in sewer systems" – Measure dissolved H2S in wastewater by Claus Behrens

Factory Tour

**10.30 - 11.00** Transport to AVK International

AVK International

• Arrival to AVK Academy & Visitor Centre. Group Photo

• Welcome and presentation of AVK,

Lunch

• Introduction to Intelligent Pressure Management,

• Introduction to SMART Water products, inclusive Showlab

**14.00 - 14.30** Transport to Kamstrup

Kamstrup

Arrival – Welcome to Kamstrup

• Kamstrup – Acoustic Leak detection

Water Factory Tour

• Departure at 16.00

Waterwork "Hasselager-Kolt Waterwork" Aarhus Water (Best in class, winner 2024)

• Tour of the plant

• Departure at 17.30

**17.30 - 20.00** Transport to Sønderborg

**20.00** Dinner at restaurant Colosseum in Sønderborg

**22.00** Transport to Hotel in Sønderborg

### **USEFUL INFORMATION**

#### **HERE'S EVERYTHING YOU NEED TO KNOW**

TRANSPORTATION AND FLIGHTS

**PROGRAMME** 

Participants can fly to Billund or Copenhagen and then travel by train to Aarhus.

During the delegation, transportation by bus is provided for free and organised by us.

The trip will end in Copenhagen, so we recommend you to book return flights departing from CPH.

HOTELS Our team takes care of securing enough hotel rooms in the various cities that we will visit. It is the

delegates' responsibility to complete the reservation and pay for the hotel stay. Let us know in advance if you plan to stay in a different hotel from the group, we highly recommend staying all

together for practical reasons.

Most of the meals are included as part of the delegation, such as coffee, lunches and dinners

provided during the core programme. Optional dinners and drinks before or after the delegation

are voluntary and not offered as part of the delegation.

Please inform us in advance of any dietary preferences and food allergies that you may have (vegetarian, gluten free etc...).

Kindly note that this is a tentative programme and schedule, and details are subject to change and confirmation at a later stage. We will release a final programme close to departure. The utilities, companies and technologies that we will see will likely remain the same.

REGISTER Please register by clicking on the online form here.

# PROGRAMME

### **WEDNESDAY 18 JUNE 2025**

8.30	Meet in hotel lobby checked-out and ready to leave
	Danfoss, Nordborgvej 81, 6430 Nordborg
9.00 - 13.00	Danfoss Deep Dive on Water     Factory tour
	<ul> <li>Factory tour</li> <li>Machine Learning lab</li> </ul>
	• Lunch
13:00 - 16:00	Transport to Copenhagen
17:00 - 20:00	BIOFOS, Damhusåen WWTP  • Energy & Landia Digester mixing with Gasmix at Damhusåen WWTP by Holger Suhr Pedersen  • Veolia Krüger presentation of Advanced Process Control Hubgrade running at all BIOFOS WWTP's  • Tour of the Plant
21.00	Dinner at Christianshavns Faergecafe
23:00	Transport to Glostrup Park Hotel (1. Night)

### **MEET OUR PARTNERS**

























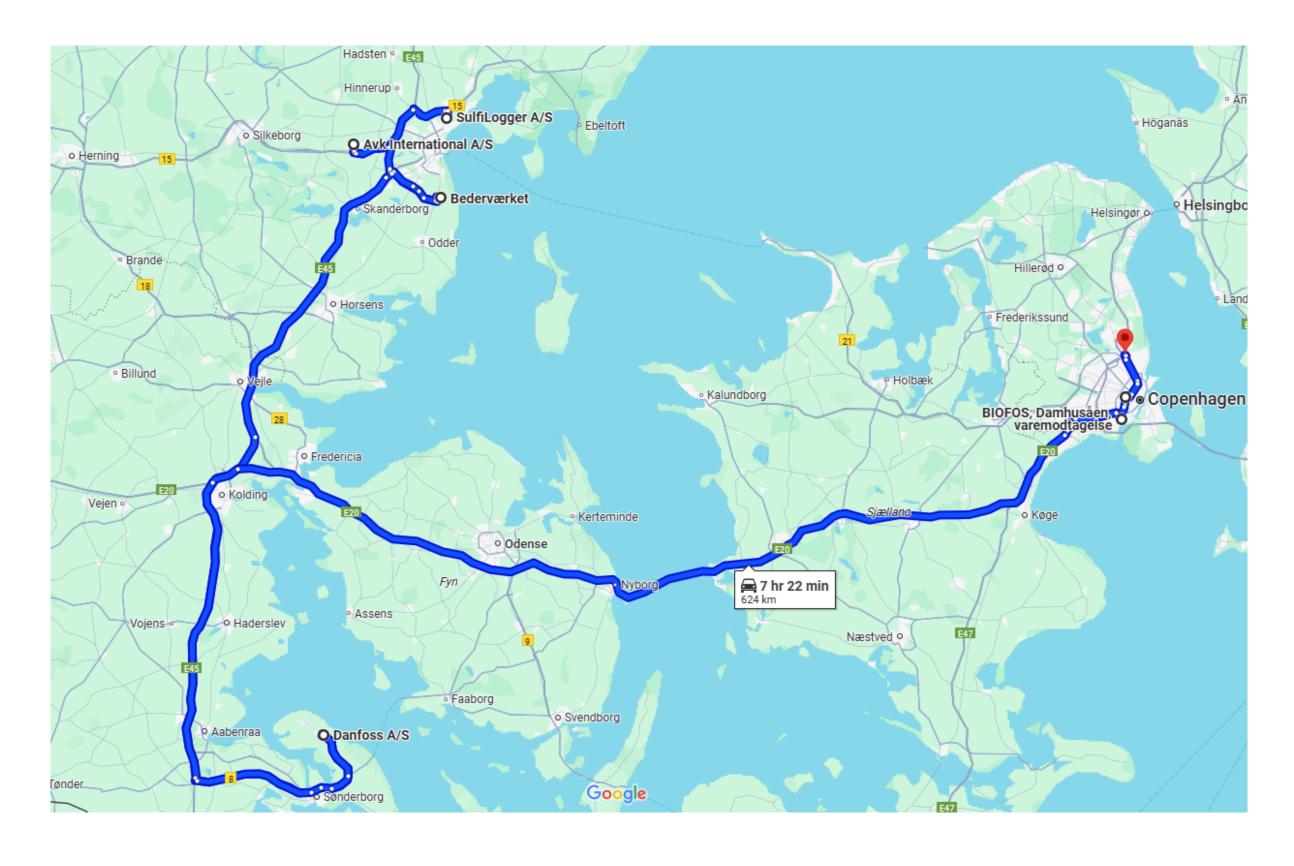






9.00	Meet in hotel lobby ready to leave
9.30	<ul> <li>Frederiksberg Utility</li> <li>Frederiksberg Utility Præsentation</li> <li>LEAKman Project: partner-based and holistic approach to reduction of Non-Revenue Water by Bruno Dura</li> <li>Tour of the Waterwork, heatpumps, district cooling and boilers.</li> <li>Leave at 12.30</li> </ul>
12.30	Lunch in Frederiksberg
14.00-17:00	<ul> <li>HOFOR (Greater Copenhagen Utility)</li> <li>Leakage detection field test with Kim Roar and team</li> <li>Intro til HOFOR by Kirsten Habicht</li> <li>Asset management &amp; Pipe renovation by Kristiane Østergaard</li> <li>Smartmeters &amp; leakages reduction in Novafors utility by Anders Mølgaard Holtze</li> <li>Climate adaptation</li> </ul>
18.30	Drinks & discussions  • Possibility to go for a turist evening or rest at the hotel instead of joining us
20.00	Dinner at Hyttefadet in Copenhagen
22.00	Transport to Glostrup Park Hotel (2. Night)

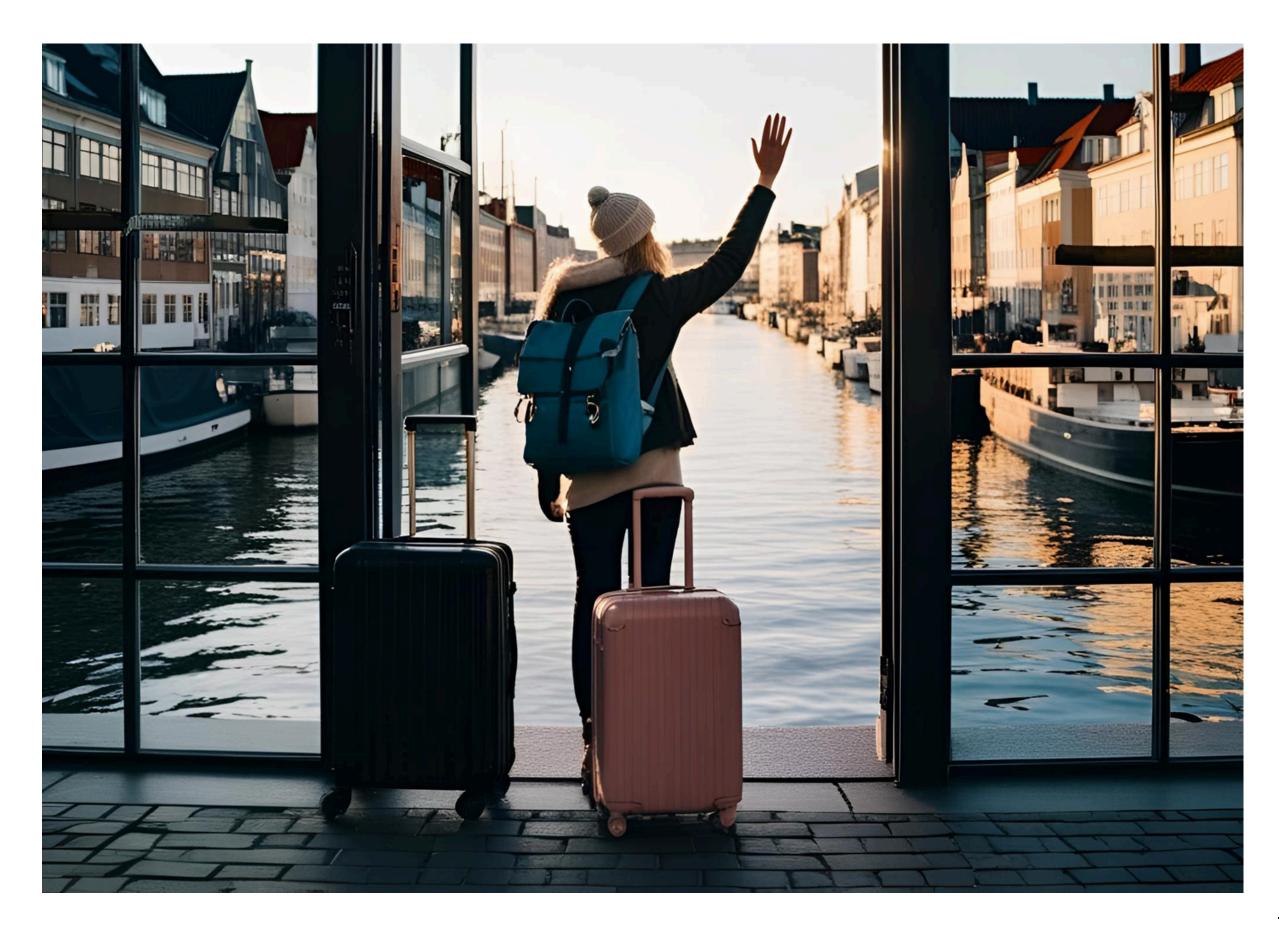
#### **OVERVIEW OF THE TRAVEL PLAN**



9.30	Meet in hotel lobby checked-out and ready to leave
10.30	Canal boat tour with guide  • Feedback  • Networking
12.30	End of trip

"This Fact Finding Tour marks the beginning of a potential long-term partnership. We hope the diverse technologies witnessed across Denmark have sparked new ideas and opportunities for collaboration. We are committed to fostering ongoing dialogue and knowledge exchange. Thank you for joining us on this journey, and we look forward to exploring future opportunities together."

- The Water Technology Alliance and partners



#### **WATER TECHNOLOGY ALLIANCE**

#### **MEET THE PARTNERS**

### **UTILITIES**



<u>Frederiksberg Utility</u> aim to provide the citizens of Frederiksberg with a stable and secure supply of water and power. They are responsible for the supply of water, gas, district heating and cooling, for rainwater and wastewater drainage and for sustainable energy production in Frederiksberg municipality. Frederiksberg Utility purse the innovative solutions to enhance resource efficiency and reduce environmental impact. By engaging with the community and promoting awareness, Frederiksberg Utility encourages residents to participate in responsible resource management



**Aarhusvand** Aarhus Vand is a leading water utility company in Denmark, renowned for its innovative and sustainable approach to water management. They are responsible for providing clean drinking water and managing wastewater for the city of Aarhus and surrounding areas. Aarhus Vand is committed to environmental sustainability, resource efficiency, and community engagement. They continuously invest in research and development to implement cutting-edge technologies and improve their services.



**Novafos** Novafos is another leading water and wastewater utility company in Denmark, serving several municipalities in the Greater Copenhagen area. They are known for their commitment to sustainable water management practices, including resource efficiency, environmental protection, and customer satisfaction. Novafos invests in innovative technologies and strives to provide reliable and high-quality services to its communities.



**BIOFOS** is Denmark's largest wastewater utility, treating wastewater for 1.2 million people in the Copenhagen metropolitan area. They operate three treatment plants: Lynetten, Avedøre, and Damhusåen. Biofos is committed to sustainability and resource recovery, generating enough green energy from their operations to offset more CO2 than their plants emit.



HOFOR (Greater Copenhagen Utility) is a major Danish utility company providing essential services to the Copenhagen metropolitan area. HOFOR's responsibilities encompass supplying drinking water, managing wastewater, delivering district heating and cooling, providing town gas, and developing wind power. They are dedicated to creating sustainable cities, focusing on green transitions, climate mitigation, and resource efficiency. HOFOR invests heavily in large-scale projects, like expanding district cooling, developing wind farms, and ensuring a secure and sustainable water supply for a growing population. They actively pursue innovative solutions to minimize environmental impact and contribute to a greener future for Copenhagen.

#### **WATER TECHNOLOGY ALLIANCE**

#### **MEET THE PARTNERS**

### **ORGANIZATIONS**



**State of Green**, a non-profit, public-private partnership established by the Danish government and trade organizations, serves as Denmark's official green brand. Its mission is to elevate global awareness of the innovative solutions and expertise offered by Danish businesses and industries in energy, water, climate adaptation, and environmental sectors. To facilitate this, State of Green fosters collaboration between public and private entities, driving sustainable innovation and showcasing Denmark's leading role in green technologies on a global scale. Notably, State of Green offers a comprehensive solution catalog on their website, allowing users to easily browse and identify solutions tailored to address various environmental and sustainability challenges.



The Ministry of Environment and Gender Equality (Miljøministeriet) encompasses the Danish Environmental Protection Agency (EPA). The Ministry plays a crucial role in fostering the creation of sustainable and resource-efficient solutions. Its work contributes to industrial growth and job creation within Denmark, while simultaneously prioritizing the protection of nature, the environment, and Denmark's drinking water resources. Furthermore, the Ministry champions policies that ensure adherence to environmental regulations and stimulates innovation in green technologies, all with the goal of securing a sustainable future. The Ministry of Environment and Gender Equality also holds responsability for consumer protection and gender equality.



The Ministry of Foreign Affairs of Denmark is co-finacing the delegation and plays a crucial role in fostering international partnerships and promoting Danish solutions on a global scale. Recognizing the importance of sustainable development and green technologies, the Ministry facilitates diplomatic efforts to establish collaborations that address shared environmental challenges. It leverages Denmark's expertise in water management, renewable energy, and climate adaptation to strengthen international relations and promote a sustainable future. Through its network of embassies and consulates, the Ministry supports the exchange of knowledge and best practices, enabling countries worldwide to adopt innovative solutions that benefit both the environment and their economies. The Ministry of Foreign Affairs is dedicated to building bridges and creating opportunities for international cooperation, ensuring that Denmark's commitment to sustainability extends beyond its borders.



The Water Technology Advisory, operating under the Ministry of Foreign Affairs, plays a pivotal role in advancing Denmark's expertise in water solutions worldwide. It provides strategic advisory services, facilitates international partnerships, and promotes the export of cutting-edge technologies. By leveraging its specialized knowledge and diplomatic network, the Advisory supports sustainable water management practices globally, addressing critical challenges related to water scarcity, quality, and resilience.

#### **WATER TECHNOLOGY ALLIANCE**

#### **MEET THE PARTNERS**

### **TECHNOLOGY PROVIDERS**



<u>**Danfoss**</u> engineers energy efficient and compact variable frequency drivers, which have the capacity to vary the power supplied to the energy requirement of driven equipment, and control ramp-up and ramp down of motors during start or stop.



**SulfiLogger** provides innovative H2S sensor solutions for proactive and data-driven odor and corrosion control in wastewater, biogas, and oil & gas applications. With a fully automated SulfiLogger setup, a utility can experience significant reduction in chemical spendings.



**Grundfos** is the largest pump manufacturer in the world and a global front-runner of energy-efficient water solutions for use in homes, buildings, industries, utilities and agriculture.



Landia is the original inventor and a leading manufacture of advanced and comprehensive chopper pumps. Besides pumps they also produce propellers mixers and aerators with nearly 90 years of experience. Landia offers customized solutions and systems to handle difficult liquids and dry matter content, biomass and other organic waste.



**Kamstrup** is a world-leading supplier of intelligent metering solutions for energy and water. Their product offerings encompass smart water meters, smart heat/cooling meters, electricity meters, and advanced analytics platforms. Kamstrup's solutions enable utilities to optimize operations, reduce non-revenue water, improve energy efficiency, and enhance customer service through accurate data and actionable insights. They are at the forefront of digitalization in the utility sector.



**AVK** is a global leader in valve solutions for water, gas, wastewater, and fire protection. With a focus on quality, reliability, and sustainability, AVK's extensive range of products includes gate valves, butterfly valves, hydrants, and accessories, designed for long-lasting performance and ease of installation and maintenance. AVK is committed to contributing to a more sustainable future by providing solutions for responsible water management.





## SIGHTSEEING IN COPENHAGEN



Nyhavn and historic Copenhagen In the heart of Copenhagen, you will find the famous neighborhood of Nyhavn dating back to the 1760s. The colorful buildings are closely located to the home of the Danish royal family, Amalienborg, and the iconic Frederik's church.



#### **Tivoli Gardens**

The magical Tivoli Gardens is Copenhagen's central theme park and one of the oldest in the world. Tivoli Gardens was founded in 1843 which makes it the third-oldest operating amusement park in the world. It has become a national treasure and an international attraction.



Canal tour of Copenhagen
Guided tour around the harbor is a
Copenhagen favorite.



