

Delegation program: CSI in Denmark

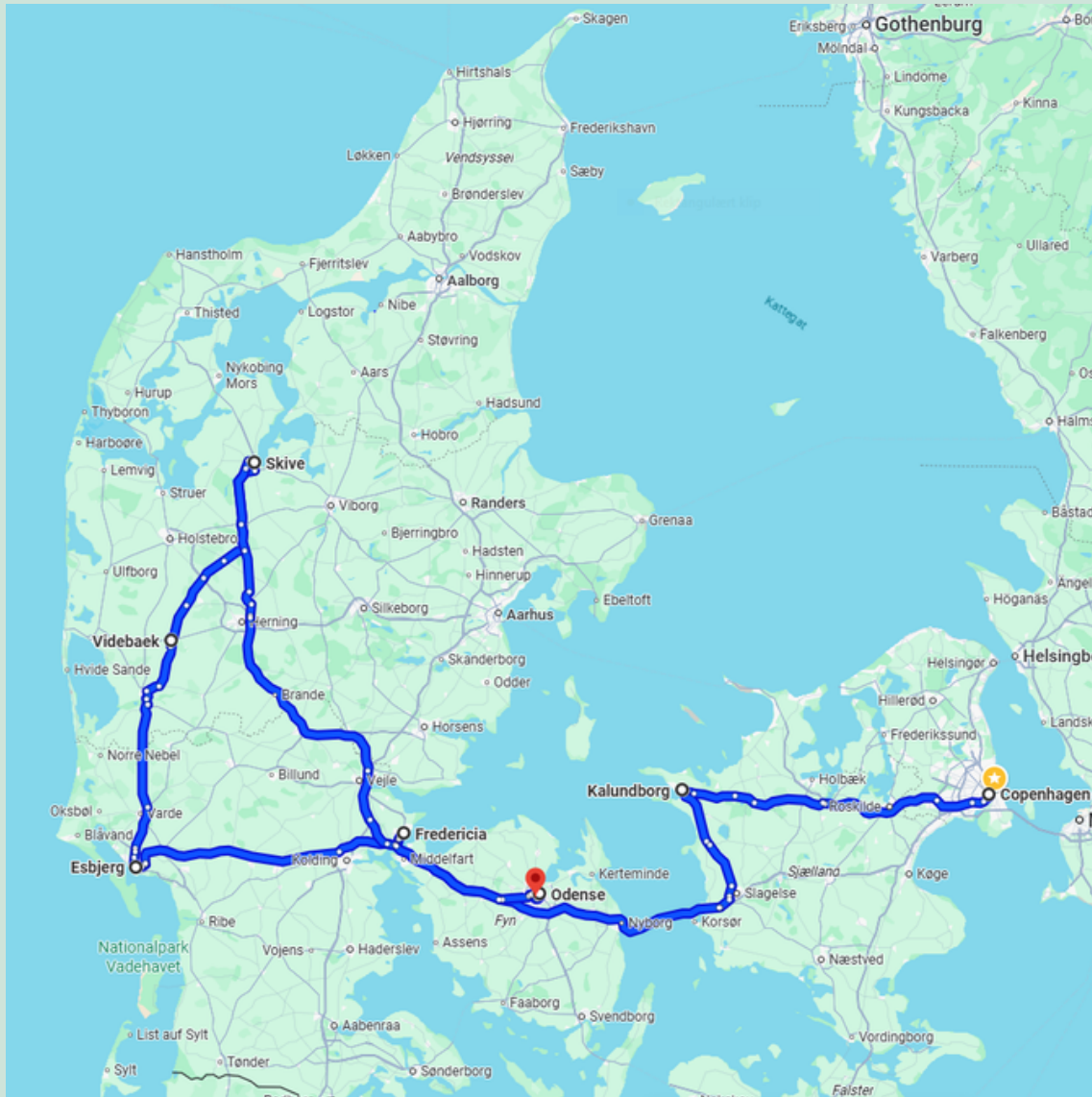
Washington Industrial Symbiosis Tour

Exploring symbioses in the Danish Industry and Ports

7. - 13. September 2025



Exploring the Danish approach to industrial symbiosis



Resource efficiency has long been embedded in Denmark's green transition. Since the 1970s public and private companies have engaged in local industrial symbioses, exchanging residual and surplus products such as water, energy, and natural resources. Many Danish ports serve as industrial hubs, supporting offshore energy activities and resource exchange. This circular mindset and business model has been named the best available technology for achieving European climate goals of cleaner industrial production by 2030. All over Denmark, these local partnerships show how companies can obtain a green energy supply while using, sharing, and conserving resources sustainably.

We hope that the Danish experiences you encounter on your trip will inspire and instigate an even greater appetite for resource-efficient measures.



Scan the QR-code to learn more about some of Denmark's resource-efficient industries.

Program

Sunday, 7. September

15:00

Check-in at Hotel

Comwell
Copenhagen Portside
Alexandriagade 1,
2150 Nordhavn

Christina will be in the lobby at 15:00

17:00

Welcome orientation and preview of study tour

Location will be shared on Whatsapp

18:30

Walk to welcome dinner

Christina will lead the way

19.00-21.00

Dinner

Evening

Overnight stay in Copenhagen

Comwell
Copenhagen Portside
Alexandriagade 1,
2150 Nordhavn

Copenhagen



Additional resources



Read the latest State of Green publication on sustainable industry



Listen to Sound of Green to hear stories from Denmark's green transition



Visit stateofgreen.com to see more solutions from Danish solution providers

**STATE
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Program

Monday, 8. September

08:00 **Be in the hotel lobby ready to leave**

08:15-09:00 **Transport to State of Green, Denmark**

09:00-12:30 **Session at State of Green**

House of Green
Vesterbrogade 1E,
1620 CPH V

Together with partners from the Danish Energy Agency, Biogas Denmark, DHI Group and Danish Industry (TBC) State of Green will facilitate an introduction to Denmark's green transition. From the 70s oil crisis to the flourishing industrial symbioses of today, we'll tell the story of how Denmark has transitioned its energy system while maintaining security of supply and a competitive economy,

Contact person:

Maria Lind Arlaud, Project Manager, State of Green
+45 40 47 80 04 | mla@stateofgreen.com

12:30-13:30 **Lunch at House of Green**

13:30 **Exploring Copenhagen from the sea front**

Ole Larsen from DHI group will take you on a trip from the South Harbor to the North harbor with the iconic harborbusses and tell the story of Copenhagen Harbor.

Contact person:

Ole Larsen, Director of Strategic Partnerships, DHI
+45 31 62 15 00 | ola@dhigroup.com

Evening

Comwell
Copenhagen Portside
Alexandriagade 1,
2150 Nordhavn

Dinner on your own and overnight stay in Copenhagen

For dinner recommendations, you're welcome to ask Maria Lind Arlaud.

House of Green



Copenhagen Harbor



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Program

Tuesday, 9. September

07:30 **Be in the hotel lobby ready to leave**

07:45-09:20 **Transport from Copenhagen to Kalundborg**

09:30-11:15 **Welcome and presentation of Kalundborg Symbiosis and Kalundborg Port**

Campus Kalundborg 3
4400 Kalundborg

In Kalundborg Symbiosis, the city's biggest industrial public and private companies work together across sectors to share excess energy, water, and materials. In other words, one company's surplus of resources adds value to another. More than 20 different streams of excess resources flow between the companies, creating a symbiosis of resource exchange, adding more resilience and profit to the partners.

Contact person (throughout the visit) : Lisbeth Randers
Head of Administration, Kalundborg Symbiosis
+45 5953 4500 | irs@kalundborg.dk

11:15-12:00 **Guided Symbiosis Tour by bus**

12:00-12:30 **Lunch**

12:30-14:15 **Workshop: The Meliora Bio case**

Meliora Bio is a modern state of the art biorefinery upcycling straw for bioethanol, prebiotics, and lignin.

14:15-15:00 **Introduction and transport to Kalundborg Utility**

15:00-16:00 **Kalundborg Utility visit**

Dokhavnsvej 15
4400 Kalundborg

Kalundborg Utility supplies approx. 6,150 households with drinking water and distributes district heating to approx. 5,050 households in Kalundborg city, and cleans waste water from the entire Kalundborg Municipality. In addition, they supply surface water to several large companies in the symbioses.

16:00-18:30 **Transport to Fredericia**

Evening **Dinner together and overnight stay in Fredericia**

Hotel Fredericia,
Vestre Ringvej 96,
7000 Fredericia

Kalundborg Symbiosis



Kalundborg Utility



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Program

Wednesday, 10. September

08:30 **Be in the hotel lobby ready to leave**

08:45-09:00 **Transport to Fredericia**

09:15-11:30

Købmagergade 86
7000 Fredericia

Meeting with Fredericia College of Marine and Technical Engineering, Associated Danish Ports and Triangle Energy Alliance

Fredericia is part of the so-called Triangle Region in the heart of Denmark, which is an area defined by industry and growth. Furthermore, the Port of Fredericia is a dynamic shipping hub with a large container terminal. ADP A/S owns and operates the ports of Fredericia. Fredericia College of Marine and Technical Engineering offer education in power-to-x.

Contact person:

Lars J. Ankersen, Special Consultant

+45 31 48 39 45 | lja@triangleenergyalliance.dk

11:30-13:00

Transport to Esbjerg

Lunch on the bus

13:00-15:00

Hulvejen 1
DK-6700 Esbjerg,
Denmark

Port of Esbjerg

The Port of Esbjerg is the world's largest base port for offshore wind and a frontrunner in Europe's offshore sector. Once a fishing harbour, it has transformed into an energy hub with activities like Power-to-X production and a science centre, driving job creation, investment, and population growth in the city.

Contact person:

Jesper Bank, CCO, Port of Esbjerg

+45 51 96 18 40 | jba@portesbjerg.dk

Evening

Esbjerg
Scandic Olympia,
Strandbygade 3,
6700 Esbjerg

Free time, dinner together and overnight stay in Esbjerg

Fredericia



Port of Esbjerg



Program

Thursday, 11. September

08:30 **Be in the hotel lobby ready to leave**

08:45-09:00 **Transport to Esbjerg Municipality**

09:00-12:00 **Workshop with Esbjerg Municipality**

Torvegade 74
6700 Esbjerg

Esbjerg is known as the Green Energy Metropolis of Denmark. As home to Europe's largest offshore wind service port and a growing cluster of renewable energy companies, the city also pioneers innovative district energy systems and sector coupling solutions that integrate renewable power, heating, and industry. Together, these strengths make Esbjerg a key driver of Denmark's green transition and a gateway for global energy collaboration

Contact person:

Peter Raben Nebeling, Chief Consultant, Esbjerg Municipality
+45 27 24 13 56 | pne@esbjerg.dk

12:00-13.15 **Transport to Videbæk**

Lunch on the bus

13:30-15:30 **Site visit to Denmark Protein (Arla Foods)**

Sønderupvej 26,
6920 Videbæk

Denmark Protein is the worlds largest whey protein and lactose factory, producing protein from the leftovers of cheese production.

Contact person:

Nicolaj Schmidt Damgaard,
Water and Sustainability Specialist
+45 9131 8223 | nidam@arlafoods.com

15:30-16:45 **Transport to Hotel Skivehus**

Hotel Skivehus,
Søndre Blvd. 1,
7800 Skive

Evening **Free time, dinner on you own and overnight stay in Skive**

Esbjerg Municipality



Arla Food Ingredients: Denmark Protein



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Friday, 12. September

08:30 **Be in the hotel lobby ready to leave**

08:40-09:00 **Transport to GreenLab Skive**

09:00 - 12:00 **Sitevisit at GreenLab Skive**

Næstildvej 10A,
7860 Spøttrup

GreenLab is a circular energy park for businesses contributing to the green transition. Companies are supplied with sustainable energy from multiple sources, tailored to their production needs, and connected through the SymbiosisNet™ – a smart grid that enables the sharing of surplus energy and resources.

Contact person:
Mathias Damgaard Mørch, Education Manager
+45 +45 9299 5351 | madm@greenlab.dk

12:00-15:00 **Transport to Odense - Late Lunch**

15:00-16:30 **Visit Ejby Mølle WWTP (VCS Denmark)**

Ejby Møllevej 22,
5000 Odense C

Ejby Mølle in is a state-of-the-art water resource recovery facility, with very high standards for wastewater treatment. The facility now produces more energy than it consumes. In 2018, the facility reached energy self-sufficiency of 180% – and VCS continue to push the limits for what is currently considered possible.

Contact person:
Martin Westerboe Sørensen, Special Consultant
+45 40 80 84 54 | mws@vandcenter.dk

16:30-16:45 **Transport to Comwell H.C. Andersen**

Comwell
H.C. Andersen,
Claus Bergs Gade 7,
5000 Odense

Evening **Celebratory closing dinner and
overnight stay in Odense**

GreenLab Skive



VCS Odense



Comwell H.C. Andersen



Meet the team in Denmark



Maria Lind Arlaud

Project Manager, State of Green

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Silas Castellanos Friberg

Project Assistant, State of Green

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State of Green is your one-stop-shop to more than 600 Danish businesses, agencies, academic institutions, experts and researchers. State of Green connects you with leading Danish players working to drive the global transition to a sustainable, low-carbon, resource-efficient society.



Christina Østergaard

Event planner, Østergaard Event

 + 45 28 69 82 48  christina@ostergaardevent.dk

østergaard event

Christina Østergaard runs a professional event planning team and is responsible for planning the logistics around the delegation's trip to Denmark.



Meet the team from CSI



Rhys Roth

Executive Director, Center for Sustainable Infrastructure

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Emma Titaley

Knowledge Exchange Coordinator, Center for Sustainable Infrastructure

 emma@centerforsi.org



CSI is the trusted Pacific Northwest-based non-profit with a mission to catalyze state-of-the-art sustainable infrastructure solutions that help communities of every kind thrive economically, socially and environmentally.