



Free and Hanseatic City of Hamburg

Draft program

Hamburg, Germany, 19.-21.04.2023

Hydrogen in Ports, Maritime and Aviation

Wednesday, 19 April 23

- 17:00 Arrival at Hamburg airport
- Transfer and check-in in hotel
- 19:00 Dinner e.g. with representatives and members of the
Renewable Energy Cluster Hamburg (EEHH) (tbc)

Thursday, 20 April 2023

- 08:30 Pick up at hotel and transfer to berth "Elbphilharmonie"
- 09:00 Tour by boat to ZAL / Airbus, berth "Rüschpark"
on board:

Presentation of "HY-5 The green Hydrogen Initiative of Northern Germany" (tbc)

Within HY-5 the economic development organizations of the northern German states of Bremen, Hamburg, Mecklenburg-Vorpommern, Niedersachsen and Schleswig-Holstein have joined forces. The new initiative aims to make Northern Germany the strongest future region for green hydrogen in the heart of Europe and to develop and complete the value chain for green hydrogen.

Presentation "Moorburg – Green Hydrogen Hub" (tbc)



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Planned construction of an electrolyzer with a still scalable 100 megawatt capacity and development of the site into a so-called "Green Energy Hub".

11.00 **Visit to the Center for Applied Aeronautics Research (ZAL)**

ZAL is the technological research and development network of the civil aviation industry with a focus on electric/hydrogen in the Hamburg Metropolitan Region. ZAL is also one of the two partners for the ITZ Nord (Hydrogen Technology Center for Aviation and Shipping - maritime part at Fraunhofer CML; aviation at ZAL)

12.00 **Lunch at ZAL**

13.00 **Presentation of Airbus ZEROe project (tbc)**

Airbus is developing a ZEROe aircraft concept as a fundamental contribution to global climate goals while aiming to reduce emissions from aviation. The concept of "Hydrogen for the infrastructure and production of aeronautics in Northern Germany" (WIPLiN) provides that, in addition to the construction of a hydrogen-powered aircraft prototype, the development of hydrogen infrastructure is promoted.

14:30 Transfer (by bus or boat)

15:30 **Visit of Clean Port & Logistics (CPL) Container Terminal Tollerort (tbc)**

The CPL innovation cluster aims to develop solutions to bring hydrogen-powered heavy goods vehicles and terminal equipment to market quickly and to put in place the measures necessary for their use. The concepts developed for operation, safety, repair, maintenance, refuelling and supply are tested and optimised in practical operation at the Container Terminal Tollerort, which is the heart of the CPL.

17:00 Transfer back to the city (by bus or boat)

20:00 **Networking Dinner (tbc)**

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09:00	Check-out Pick up at hotel and transfer
09:30	HPA – Hamburg Port Authority (HPA) (tbc) Topics: Hydrogen Port Applications (HyPA) Approval procedures ammonia Handling H2 logistics
10:30	Mabernaft Ammonia Terminal in the Hamburg Port
11:00	Coffee Break
11:30	Presentation of “Green Fuels Hamburg” Onshore Power Supply
12:30	Presentation of Atmosfair (tbc)
13:00	Lunch
14:30	Transfer to Airport
15:30	Presentation of H2 projects at Hamburg Airport <ul style="list-style-type: none">• On-site electrolysis with waste heat utilisation for the airport's own local heating network.• Production of synthetic jet fuel using green hydrogen in collaboration with the Heide refinery.• LH2 demonstrator: branch office of the Technology and Innovation Centre for testing and demonstration purposes for a future cryo-hydrogen infrastructure
17:00	End of program Check in and return flight to Iceland