

Waste to Energy Plant

ARC and the CCS project

Technical tour
23 September 2021

ARC – Amager Ressourcecenter is a waste treatment company owned by five municipalities in Copenhagen. They run waste-to-energy plant Amager Bakke, 16 recycling centres, etc., and handle waste from 645,000 citizens and 68,000 companies. In 2020, they incinerated almost 600,000 tons of non-recyclable, residual waste and turned it into 244 GWh electricity and 1.363 GWh district heating.

The vision of ARC is to make waste treatment and incineration net zero/carbon neutral. One step is by implementing an extra cleaning filter that captures CO₂ from the flue gas. In collaboration with the Technical University of Denmark, they set up a demonstration project in 2021. This is the first CCS project connected to a waste-to-energy plant in Denmark. The technology behind carbon capture is extremely energy intensive. By integrating CO₂ capture into the district heating system, ARC's demonstration project aims to show that CO₂ capture can be achieved with neutral energy consumption.

Time and venue

23 September 2021 at 9.00 – 14.00 (9 am – 2 pm) (arrival at Copenhagen airport approx. 14:00/2 pm)
Departure by bus from Villa Copenhagen (the conference venue)

The tour includes

- Transport from city centre to ARC waste treatment plant + transport from ARC to airport
- Presentation – Waste treatment in ARC, Waste-to-Energy and Carbon Capture project / ARC & DTU
- Guided tour of the plant, incl. visit at CCS test facilities / ARC & DTU
- Lunch (sandwich)
- Optional: Visit to the recreational rooftop
 - Walk up or use the lift to the top of Amager Bakke – enjoy the view from 85 meters' viewpoint
 - Café - coffee and snacks can be bought

Price

60 EUR (incl. VAT)

Limited capacity: 50 persons – please register early! Registration can happen as part of your conference registration [here](#).

If you already registered for the conference but would like to add the technical tour to your agenda, please contact sesconference@plan.aau.dk.

Practical information

Registration is binding. See further information about cancellations due to [Covid-19 here](#).



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