

Plenary Keynote: Anders Christian Nordstrøm

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PTX potential for 2050 net zero

With EU net zero targets for 2050 will focus naturally increase on the hard to abate sectors such as aviation, shipping and heavy transport. With decreasing cost of electricity production based on renewables power to X (PtX) has become an interesting tool for these sectors. For these sectors hydrogen, ammonia, e-methanol and e-kerosene could be relevant PtX-products to focus on. Ørsted is working on projects where offshore wind production is combined directly to production of PtX for these sectors. Offshore wind has a relatively stable electricity production and learnings from how to ensure a stable production of PtX-products is important part of the first projects. Also the system-aspects of integrating an electrolyser directly to the wind turbines at transmission level is some of the learnings that we expect to get out of the projects. In this presentation Anders Nordstrøm will elaborate on the potential for PTX to the decarbonisation of Europe, but also on the barriers and challenges that we see in DK and Europe.