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## **C2Or2B-02: [Invited] Airbus Structures Test - Cryogenic Test Capability Development**

*Tuesday 20 May 2025 11:30 (15 minutes)*

At Airbus, our ambition is to bring hydrogen commercial aircraft to market by 2035. Our ZEROe programme was launched in 2020 to explore different aspects of hydrogen aviation encompassing the technologies that need to be adapted and the hydrogen ecosystem required to make this ambition a reality. One of the main challenges that was identified early on in the project is the limited cryogenic testing capability in the aviation industry.

Within Airbus Structures Test, we're doing all we can to accelerate our journey towards certifying hydrogen aircraft, by up-skilling the team with the required knowledge, from the design of test rig suitable for cryogenic/hydrogen environment, through to the measures that need to be taken whilst testing in cryogenic conditions.

In this talk, I will give a brief overview of Airbus Structures Test cryogenic test strategy, spanning our cryogenic test facility development, our future vision and our current and future cryogenic tests taking place in Airbus.

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