



H2UpClose #4: NLR

Inside the Minds Driving Hydrogen Innovation

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H2UpScale



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H2UpScale Project is happy to present the H2UpClose interviews' cycle.
Below the third interview with NLR.

What's NLR's take on sustainability?

We, at NLR, are strongly motivated to work on a sustainable future of aviation. Hydrogen-electric powered aircraft is seen as a promising option for medium range aircraft while it offers zero emissions. Hydrogen is usually associated with the Hindenburg disaster back in 1937 but, with all safety measures in place, hydrogen is equally safe as other aviation fuels such as kerosene.

Why does this problem matter now and not in 5 years?

Aviation is all about weight and safety. Environmental conditions and certification aspects impose stringent requirements on aircraft systems and components which are usually not considered by the industry in early stages of development. The H2UpScale project offers the possibility for upfront introduction of aviation requirements in the design of new components before they arrive on the market.

What is your role and what are your goals in the project?

The role of NLR in H2UpScale is to promote the preparation and future availability of certifiable hydrogen components suitable for application in hydrogen electric powered aircraft. This entails a translation of established industrial practices into the safety approaches as applied in aviation. The goal of this approach is that future commercial components can be certified faster for use in aircraft.

In your expectation, what added value does your activity bring?

The role of NLR is to promote awareness in the industry of aviation requirements in the early stages of development of hydrogen systems and components. By contributing in H2UpScale NLR will additionally be informed about the TRLs of potentially suitable hydrogen components and applications in research projects.

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