

AEROSPACE MEETS HIGH TECH – December 7th, 2020

“High Tech Solutions for Hybrid Electric Flying”

Jan Verbeek, vice chairman of the NAG & Partner Knowledge Management & Innovation at ADSE, was chairman of this workshop.

The Workshop Aerospace meets High Tech “High Tech solutions for Hybrid Electric Flying” enjoyed more than 45 attendees who got an interesting overview of the challenges and developments in the aerospace industry for the coming decades. The session was broadcasted from the live setting of the high tech Applied Sciences Lab Aeronautical & Precision Engineering of Inholland Delft.

Roland Grimm, Program Manager at Brabant Development Agency, welcomed the participants and Jan Verbeek introduced the topic. After this more in depth presentations were given by:

- Martin Nagelsmit, Head of Environment and Policy Support & Electric Flight Programme Manager at NLR “opportunities in electrification”;
- Matthijs de Haan, Business Development Salugi Motors Aero, and Maarten Klomp, Founder and CEO Salugi Motors Aero, “Retrofitting General Aviation with Electric Powertrains made in the Netherlands.”

During the presentations interesting questions were asked and knowledge was shared. Based on the questions and reactions of the chat a lively panel discussion was held. The panel consisted of the speakers and the chairman of this webinar.

Main takeaways from the workshop are that the Brainport community has a lot to offer to the aerospace industry (power electronics, cooling and thermal management, battery technology, development knowhow) and when combined with the already existing aerospace network and knowhow in the Netherlands new business opportunities should be possible.

Electrification of general aviation is already feasible and waiting for an acceleration. The new aircraft programs from Airbus and their competitors require more research and development effort but also offer industrial opportunities for Dutch industry if we act now. A national research and development program and facilities that augment European activities to further this development is being explored.

The NAG is happy to make the recording of the workshop available to those who were unable to participate or who would like to listen to the recordings again.