

Nurturing Skills to Deliver Clean Flight

24 October 2023

ZEROAVIA

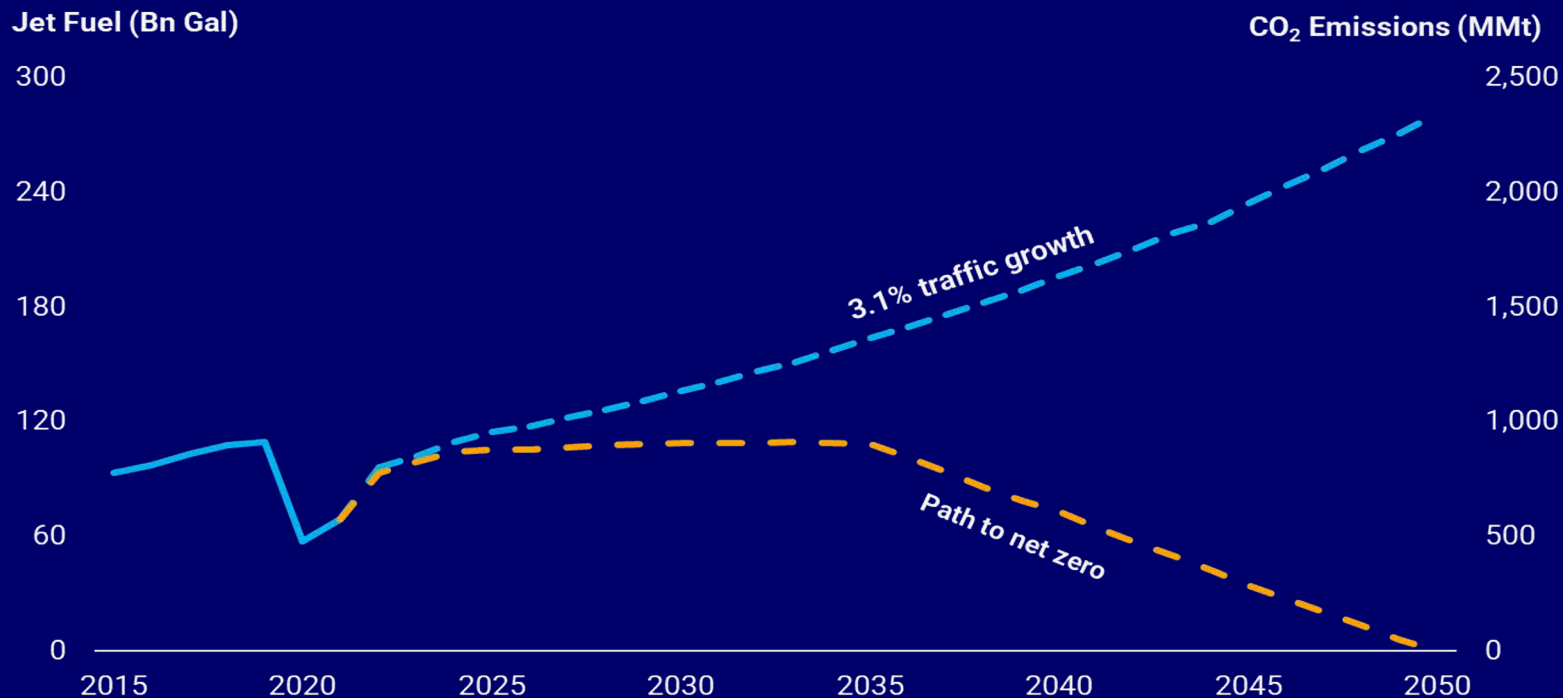


The Innovation

Hydrogen-electric propulsion – the most environmentally friendly and economically attractive solution to aviation's growing climate change impact

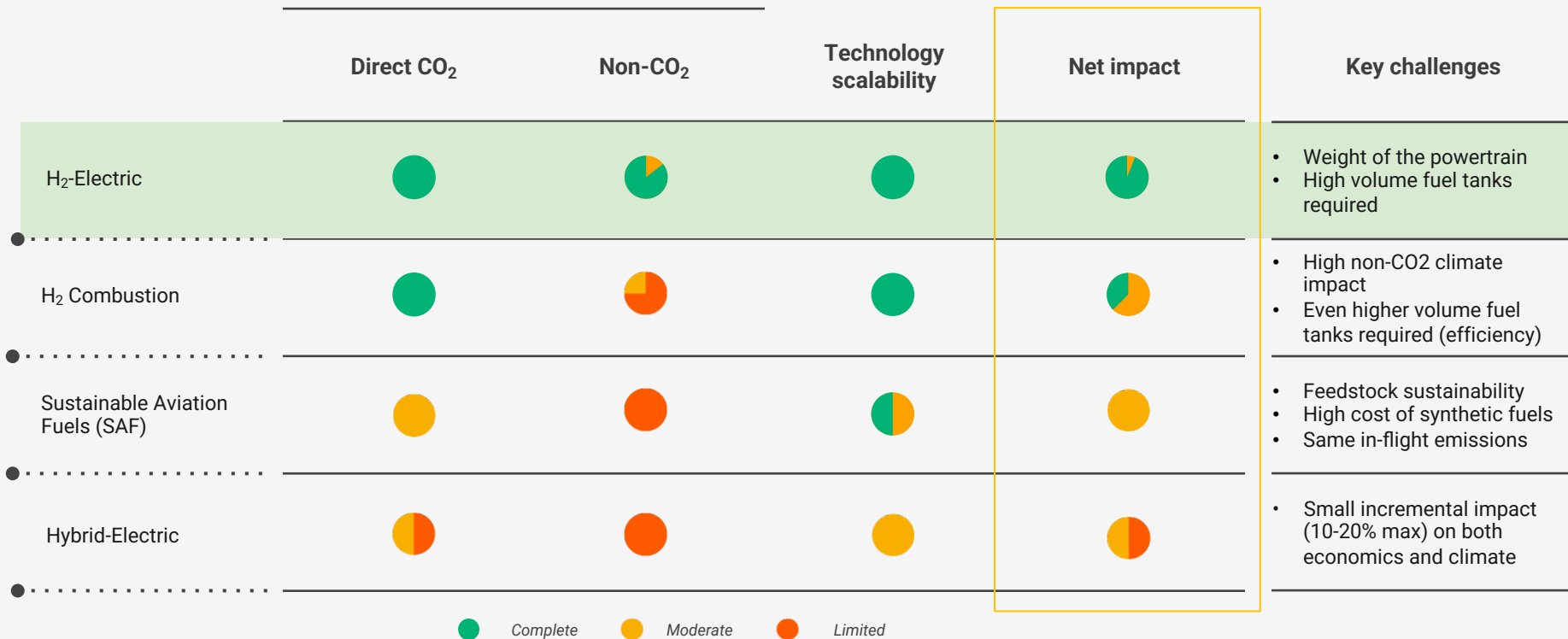


Rising Sector Emissions in Line with Demand Growth



H₂-Electric is the Only Scalable Zero Emission Solution

Reduction in climate impact



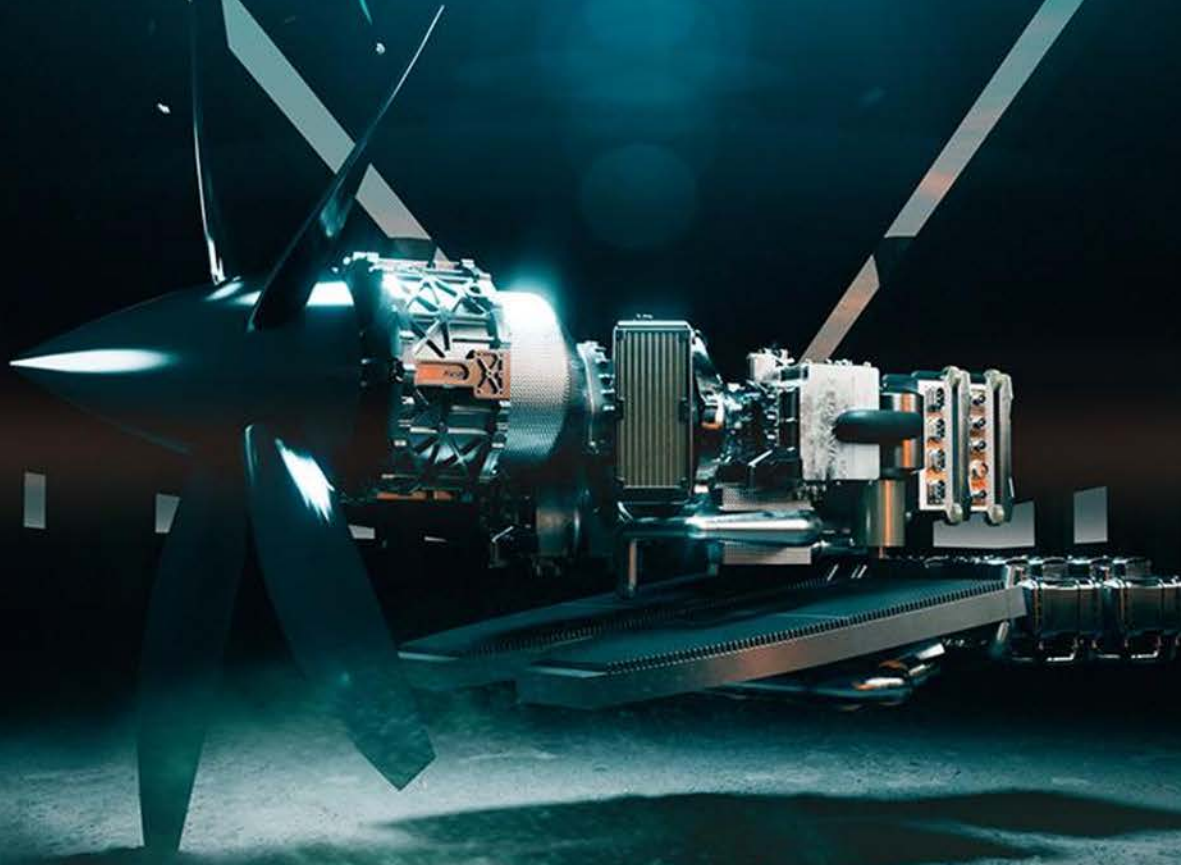
OUR MISSION

A Hydrogen Electric Engine in Every Aircraft



Hydrogen-Electric Engines

ZEROAVIA





2023: Dornier 228 Flight Test Program

ZEROAVIA



Alaska Airlines and ZeroAvia developing world's largest zero-emission aircraft

ZEROAVIA

- Washington Gov. Jay Inslee, U.S. Rep. Suzan DelBene and Snohomish County Executive Dave Somers join CEOs from Alaska and ZeroAvia to launch retrofitting of aircraft
- ZeroAvia unveils world's most advanced electric motor technology for aviation, paving way for hydrogen-electric engines for Dash 8 and similar airframes



Commercial Agreements and Partnerships

ZEROAVIA

~2,000 engines under agreement, 100 production slots sold, pipeline of 3,000+ engines

Customers



Airframe OEM partners



Strategic technology partners



Hydrogen Airport Infrastructure

Deliver low cost, low carbon reliable H₂ to decarbonize airport ecosystems and provision hydrogen electric powertrains.

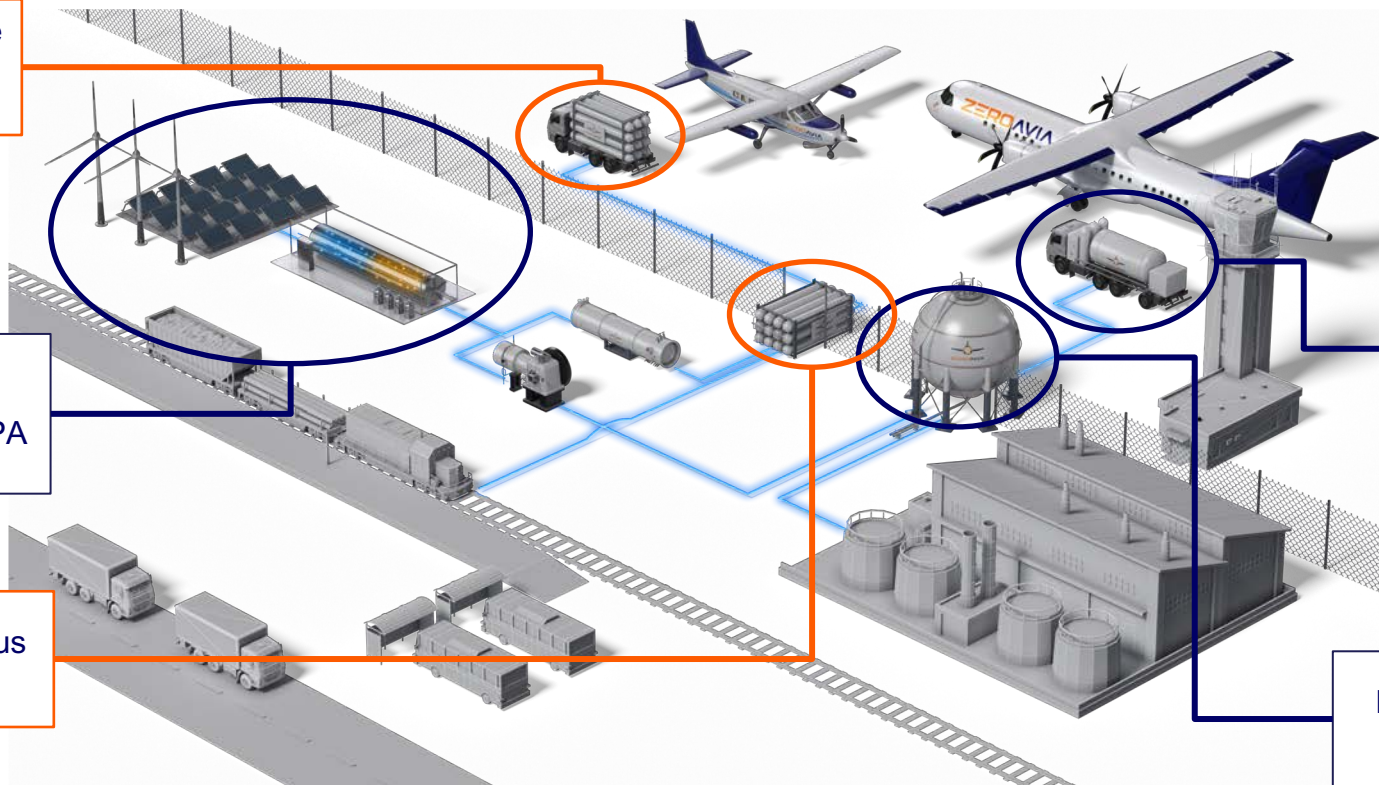
Gaseous Mobile
Storage and
Dispensing

H₂ production
- renewable
generation or PPA
+ electrolysis

Fixed Gaseous
Storage

Liquid Mobile
Storage and
Dispensing

Fixed Liquid
Storage



The Skills Gap

Combining skills shortages in aerospace and hydrogen technologies creates headwinds

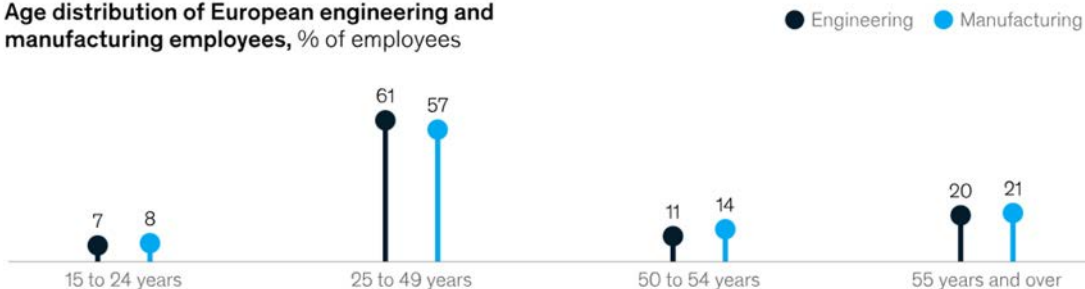


Green skills shortage threatens Europe's climate ambitions

Creating low carbon jobs that pay as well as high carbon alternatives will not be easy

The transition from 'gray' to 'green' employees in Europe creates significant headwinds.

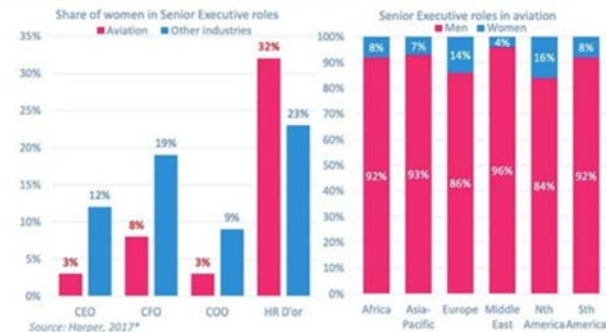
Age distribution of European engineering and manufacturing employees, % of employees



IATA ECONOMICS' CHART OF THE WEEK

09 MARCH 2018

INTERNATIONAL WOMEN'S DAY 2018 – AVIATION HAS FURTHER TO GO



Reasons to believe in the **green aerospace jobs** of the future



OPEN TO CHANGE

In Europe, as many as one-third of employees are thinking about changing jobs in the next three to six months.



MEANINGFUL WORK

People retraining and taking jobs in clean energy or manufacturing/engineering roles express pride in their work.



JUST TRANSITION

Aerospace engineering and manufacturing jobs tend to be higher than average pay; transition can lead to net jobs and income gains (ILO).

Funding, new training programmes and awareness raising campaigns from governments and industry



EPSRC

Pioneering research
and skills



Hydrogen
Capability
Network



The Institute for
Research in Schools



Thank you for your time

Dominic Weeks

Head of External Affairs

dominic.weeks@zeroavia.com



www.zeroavia.com



twitter.com/ZeroAvia



facebook.com/ZeroAvia



linkedin.com/ZeroAvia



youtube.com/ZeroAvia



instagram.com/ZeroAvia