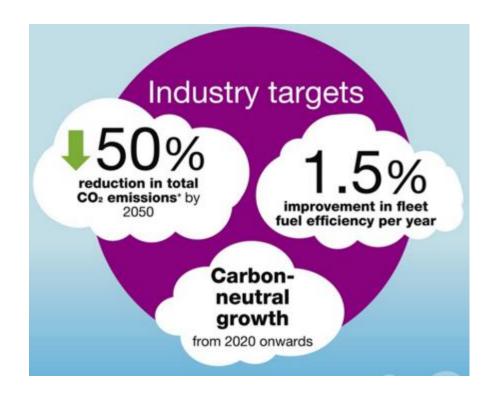


How to meet the challenges of carbon neutrality in the world of aviation? Focus on Hydrogen

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AIRBUS

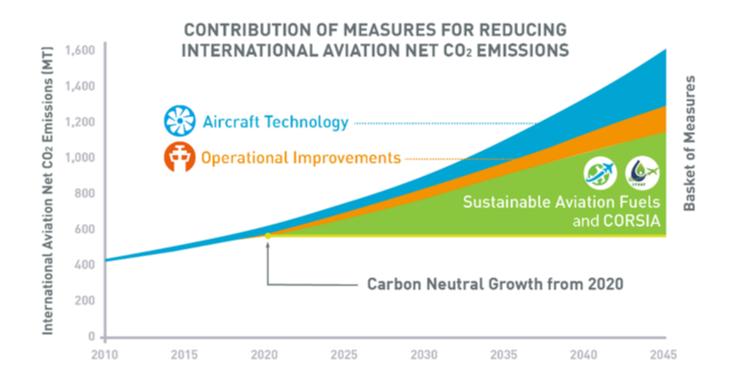


Aviation industry targets (2010)



President Xi statement at the UN (2020)

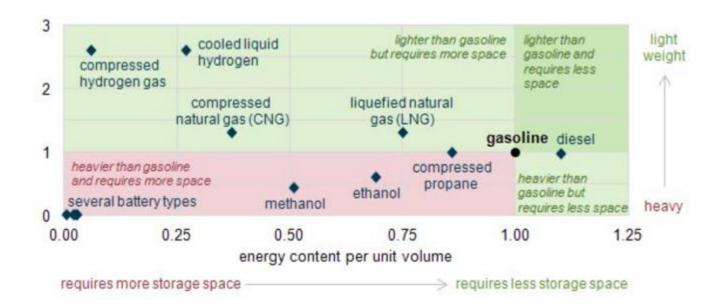
https://www.airbus.com/company/sustainability/environment/decarbonisation.html



How to reduce emissions:

- Newer aircrafts
- Air Traffic control
- •CO2 capture
- Sustainable Aviation Fuels
- •New energy (e.g. H2)

Why hydrogen?



Aviation key constraint (in particular for long-haul flights) is energy density

- Batteries are too far technology wise
- •H2 is one of the only carbon free alternatives (it produces water when burned)

A new H2 economy is being set-up across the world and aviation could become a key customer

•Key challenge will be the production & supply of enough green H2 (produced without CO2 creation)

Ambition: Develop the world's 1st zero-emission commercial aircraft by 2035



Hydrogen in China

China is developing more and more it's H2 economy in particular for fuel cells and infrastructure

Sino-Japanese hydrogen energy industrial park launched in Daxing

Updated: 2020-08-10



How to achieve China carbon neutrality in 2050?

Final energy consumption by sectors and by energy carriers

