







LIVE DRONE DEMO DAY

Some thoughts about where we are and were we're going

FREDRIK KÄMPFE SWEDISH AVIATION INDUSTRY GROUP

5 October 2022



The Swedish Aviation Industry Group (SAIG)

"Where aviation meets"

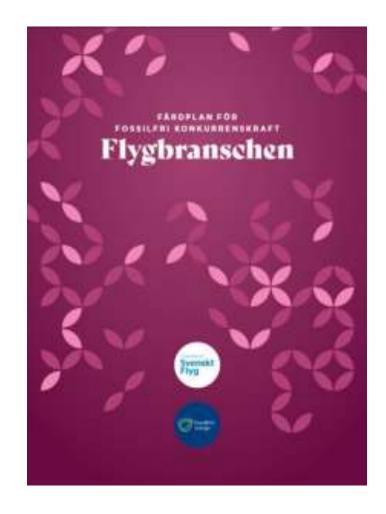
- 85 member companies
- with 5500 employees
- from the entire aviation ecosystem > air - ground - sky



Climate change Society change Transport change Aviation change

Sweden has committed







The complete Swedish aviation industry aims to make all domestic flights fossil free 2030 and all flights originating from Sweden fossil free 2045



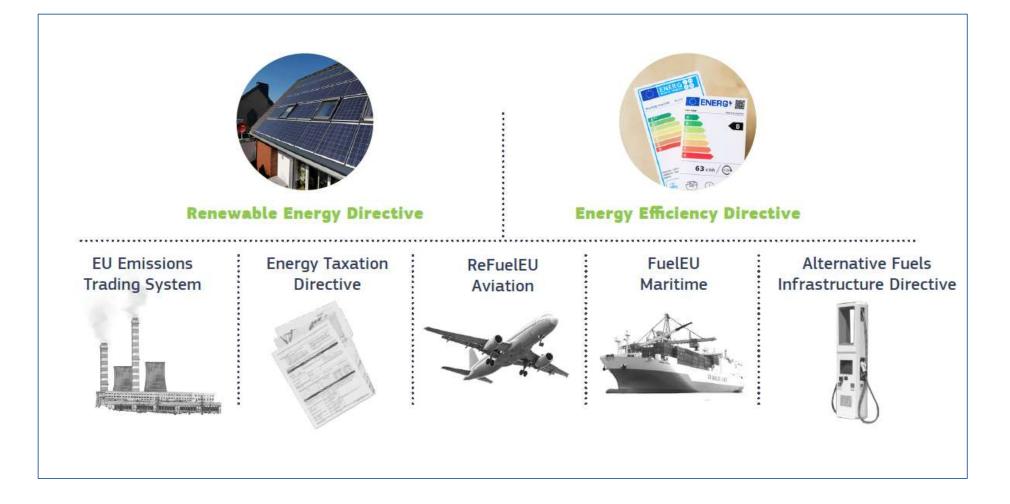
The EU is committing

A Political platform



- + EASA's Green lable
- + CountEmissions EU

Fit for 55 package



A Technical platform



2008

Clean Sky

Open Rotor
Laminar Flow
ALPS

RACER







2014

Clean Sky2

MFFD
UHPE
NextGen Tilt Rotor









2022

Clean Aviation >

(Hybrid) Electric Hydrogen Propulsion





International commitment is forming

We are family > International and European partners



AIR TRANSPORT ACTION GROUP



We are family > ICAO - the Global Partner

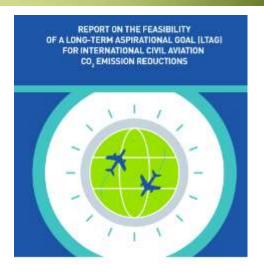
ICAO Council adopts new CO2 emissions standard for aircraft







ICAO Report on Feasibility of a Long-term Aspirational Goal for International Civil Aviation CO₂ Emission Reductions (LTAG)





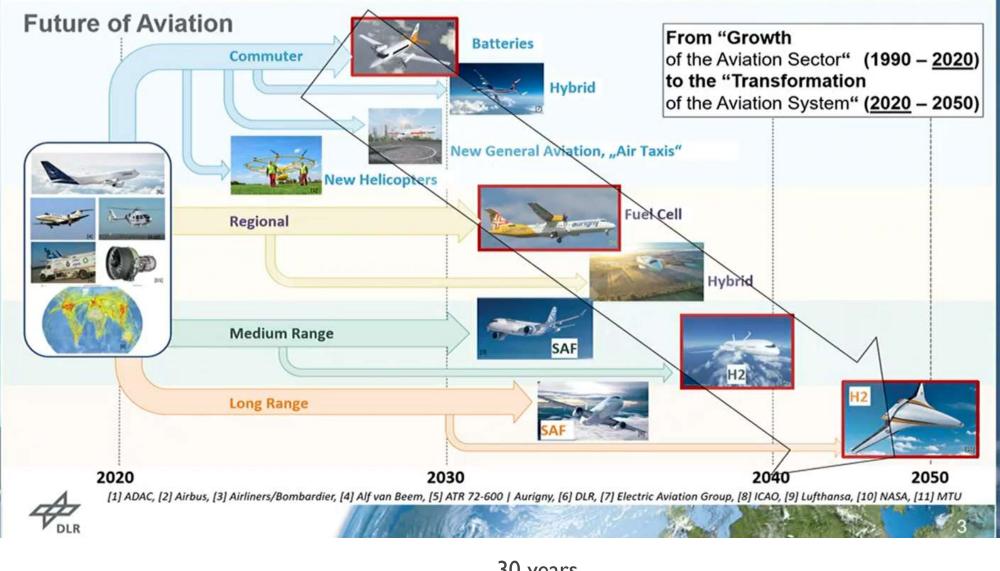
What is ahead of us



The Map

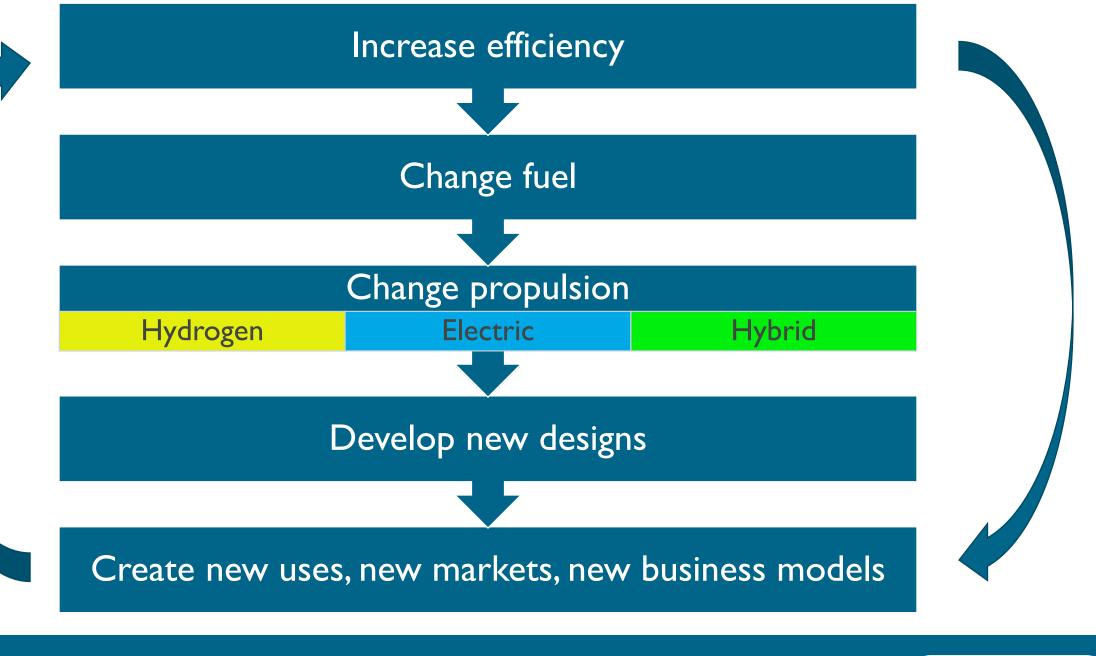


+Drones



30 years

Change process steps





The beauty of change

Sustainable aviation is about making air travel more sustainable, but it also entails breakthrough technologies that can play an essential role in a sustainable, efficient and affordable future mobility system



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Electrification takes us to new, and old places

Sweden has an electrification strategy – and *aviation* is part of it





Han tar plats i regeringens elektrifieringskommission

16 oktober 2020



Fredrik Kämpfe, till vardags branschchef hos Transportföretagen flyg, kommer att ta plats i regeringens nya elektrifieringskommission. Vi passade på att ställa några snabba frågor.











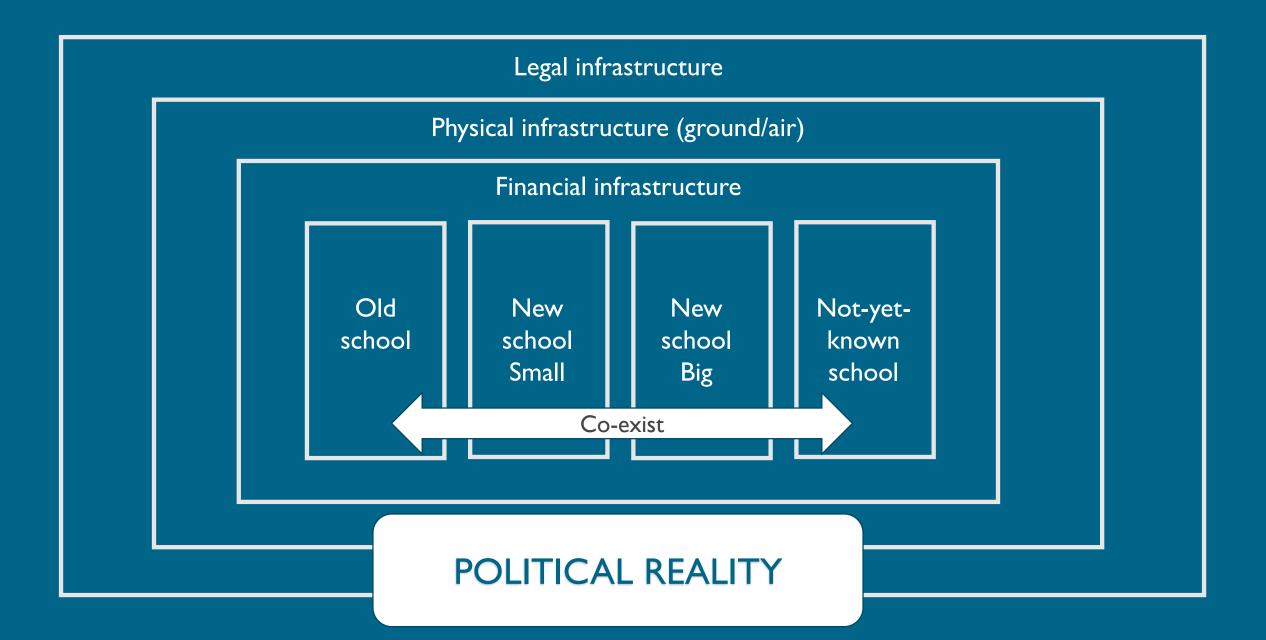


Larger (hybid)electric aircraft for (inter)regional passenger and cargo traffic



Smaller (hybrid)electric aircraft for urban traffic and short (inter) regional passenger, cargo traffic, and "last mile" delivery

Navigare necesse est





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Kapacity: 30 pax, 3 crew and Range:

ca 770 kg luggage

200 km "all electric"

400 km electric + hybrid

800 km electric + hybrid med 25 pax

Propulsion: 4 st elmotorer

Energy: batteries + reservce turbogenerator (SAF)

Max service ceiling; 20 000 ft

Runway t/o: I I 00m

