

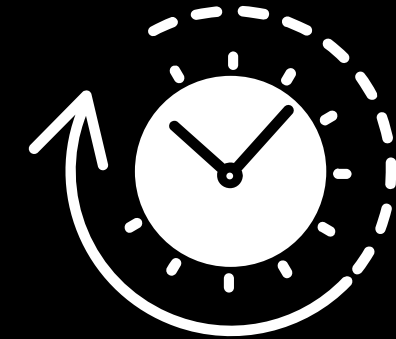
Sustainability

Zero Emissions



Efficiency

Future Powertrain
Technologies



Speed

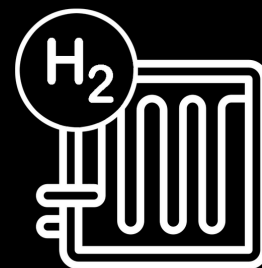
Reduced Ground Time

Hybrid Propulsion Technology

Zero Emissions
Lower Energy Consumption
Lower Fuel Cost

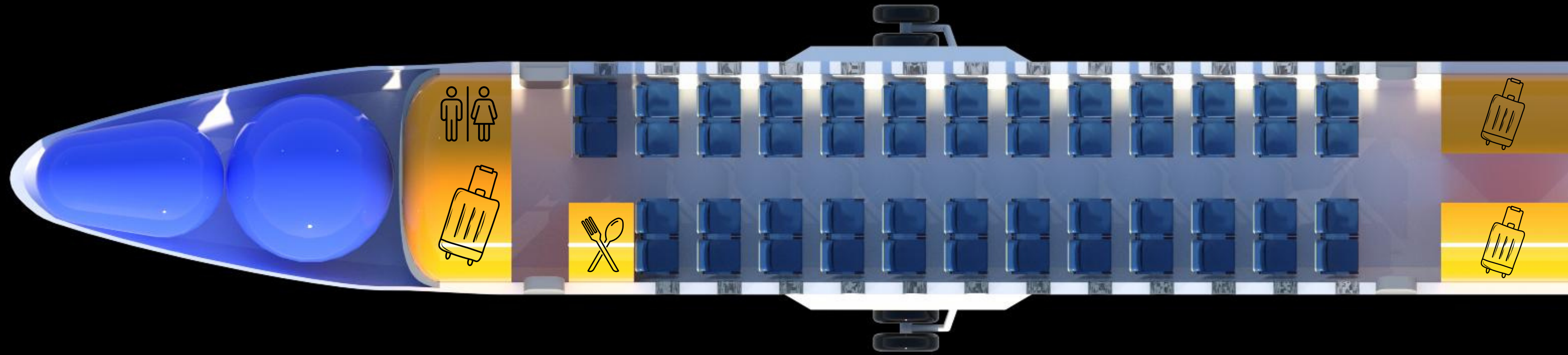


Green Liquid Hydrogen



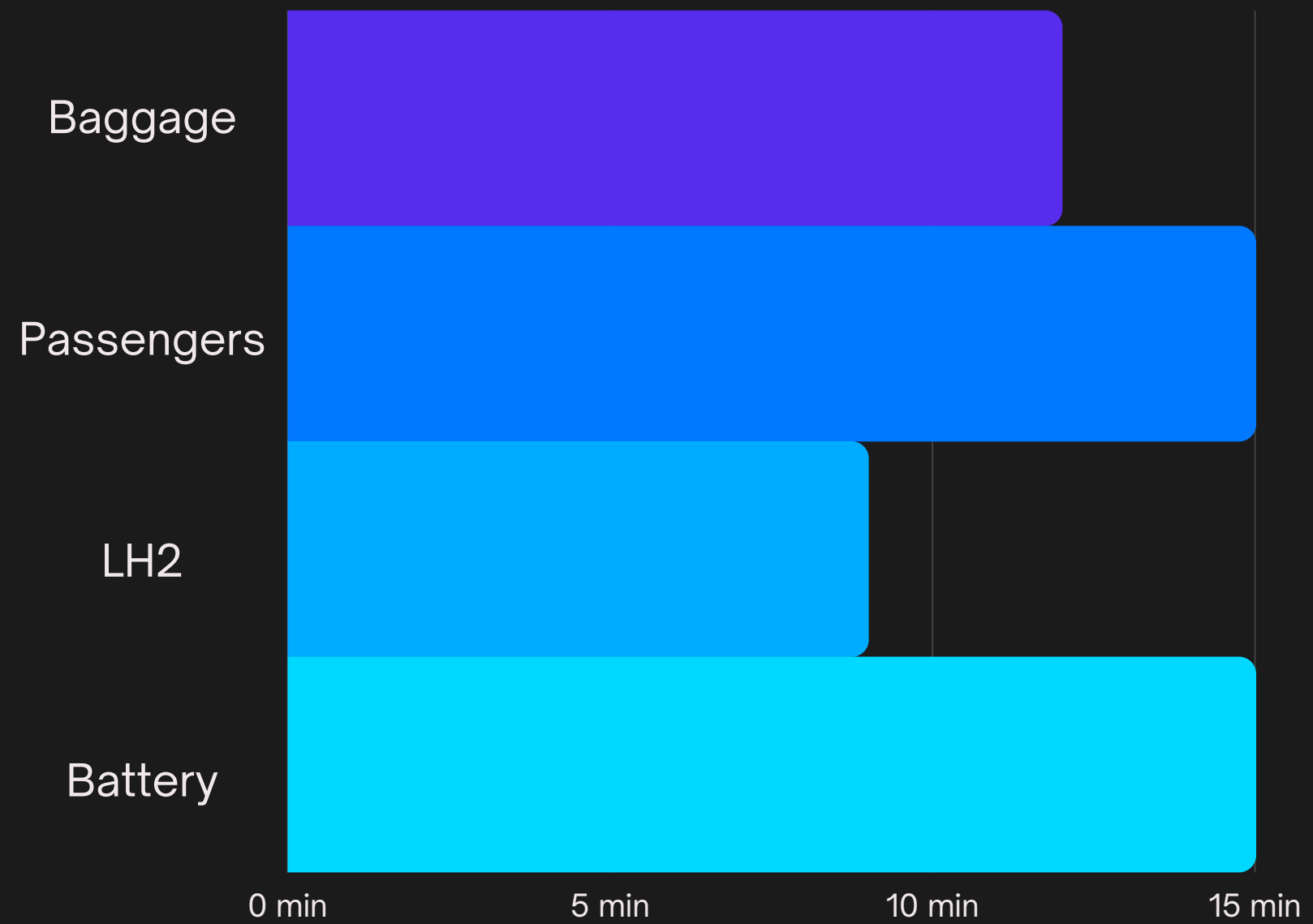
Lithium Iron Phosphate Battery



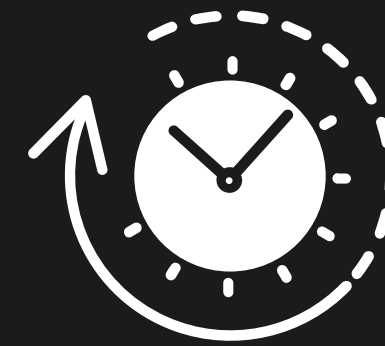


Seamless Integration

Conventional Cabin Layout
Intelligent Hydrogen Storage



includes equipment positioning and removal

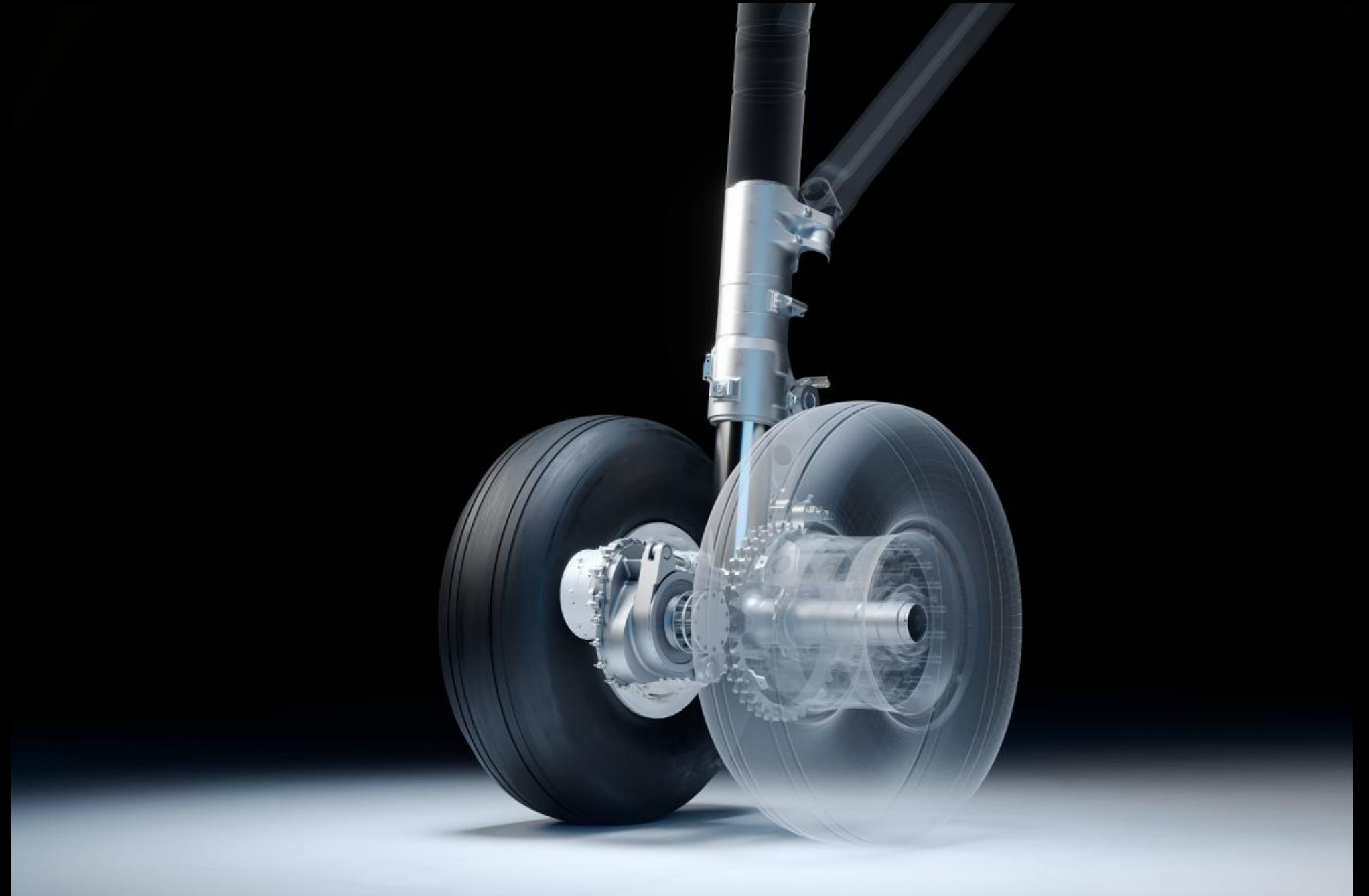


Quick Turnaround

Only 15 minutes

Electric Green Taxiing System

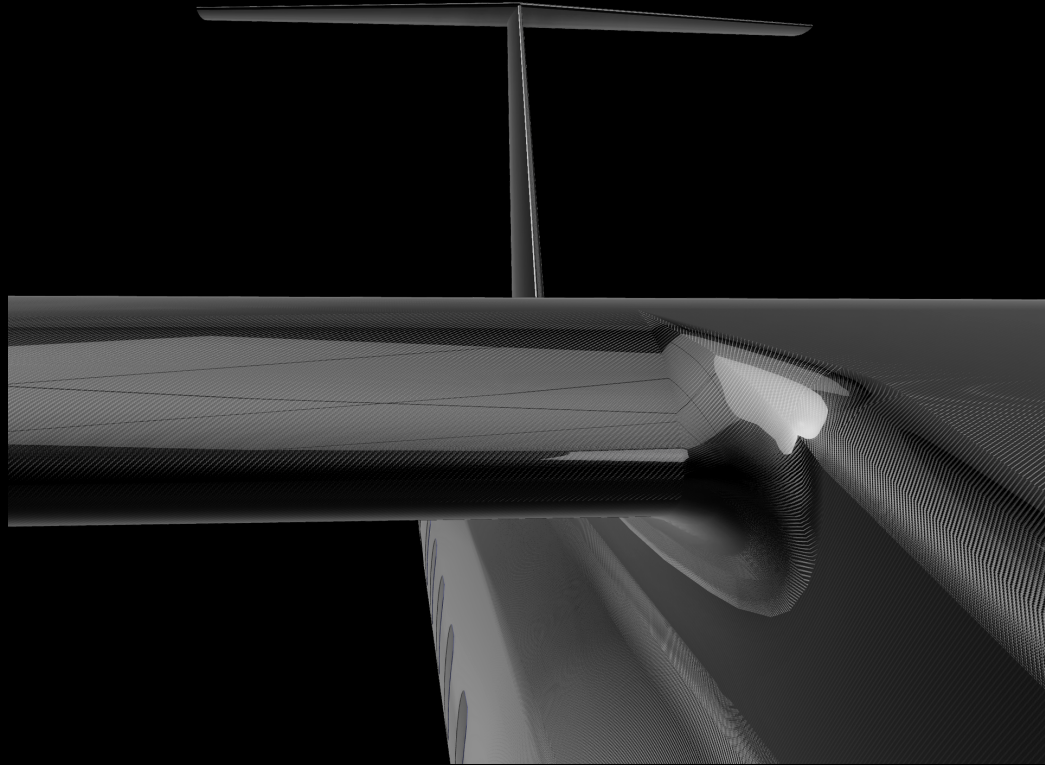
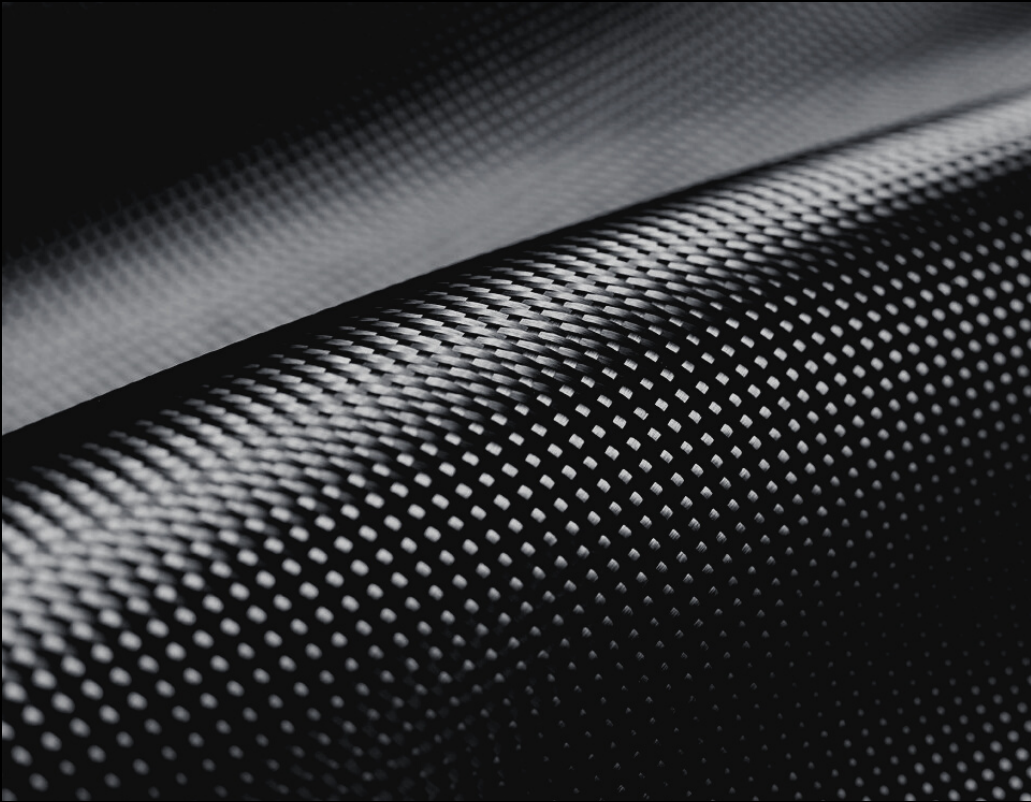
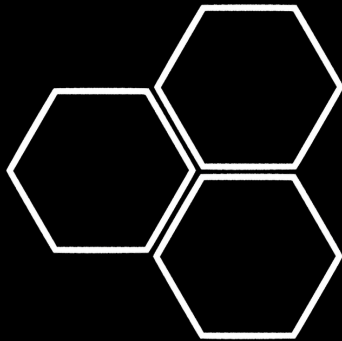
Safer
Faster
Energy Efficient



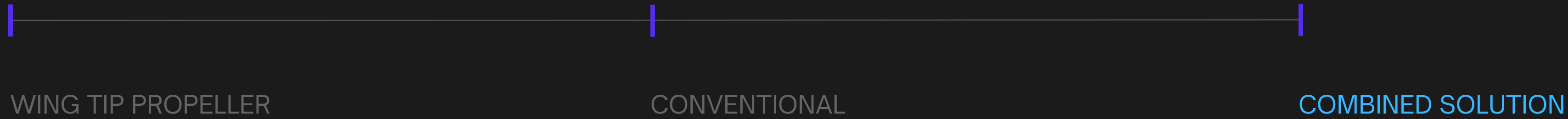
Safran-Group

Increased Fiber-reinforced composite content

Fuselage 50%
Wing 90%



Propulsion Concept



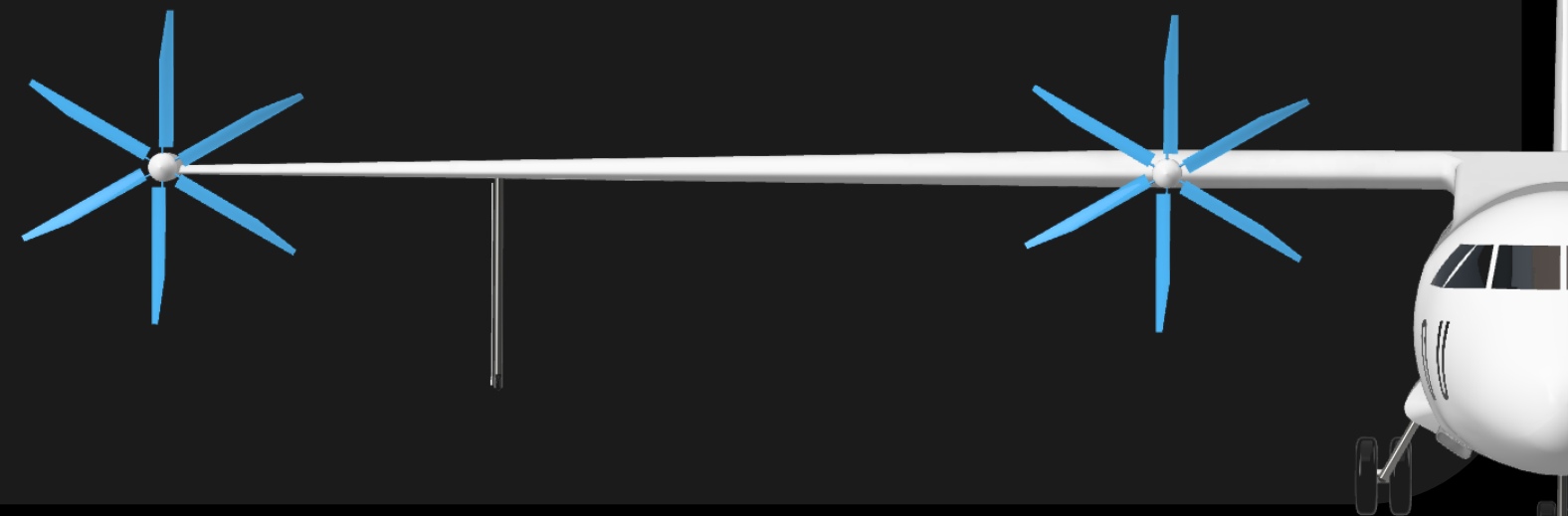
WING TIP PROPELLER

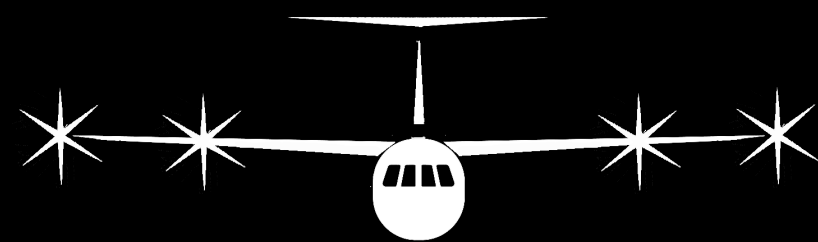
Reduced induced drag

CONVENTIONAL

Simple structural solution

COMBINED SOLUTION





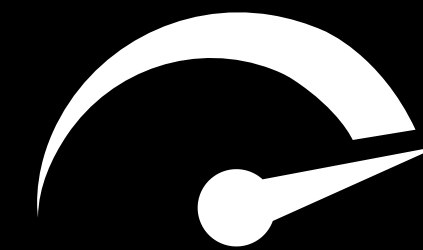
Spanwidth

28 m
Airport Category C



Range

5800 kg -> 400 km
5680 kg -> 800 km

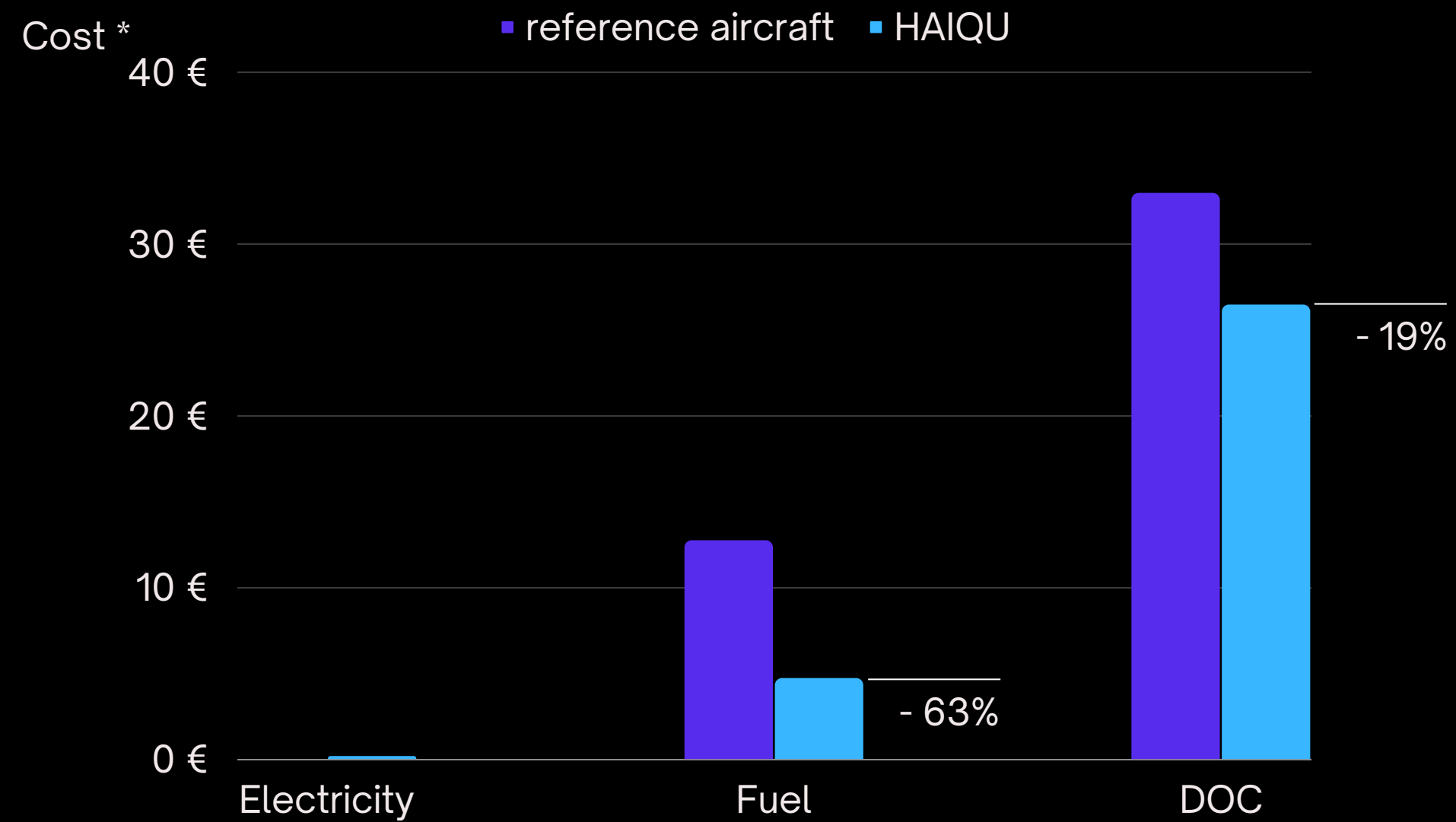


Performance

FL170 -> 298 kts
980 m TOFL & 775 m LFL



Direct Operating Costs





QR Code for the video

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Website

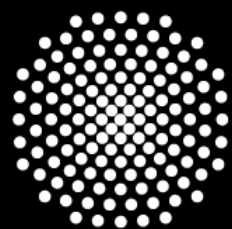


Video

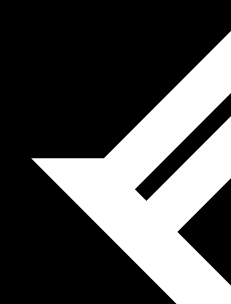




Thank you!



University of Stuttgart
Germany



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