Jacques-Alexis Verrecchia

Head of product

ICAO

Special Session — Hydrogen use in aviation

Aviation will be electric

Unlocking full potential with hydrogen

Building Electric business aircraft

6 passengers on 1500 km

Base specs	
Range	800 NM
Max speed	310 KTAS
Max power generated	1.4 MW
Emissions	0.0 CO_2 eq IN FLIGHT
Passengers	6-8 PAX
MTOW	8.6 t

Covering the main routes

80% of Europe

52%

of flights from Le Bourget fly **less than 600 km**

62%

of flights departing Paris **can be done by One** (<1500km and <8pax)

8 flights

daily between **Paris** and **Geneva**, 9 between Paris and all London airports

- Main routes
- Main business aviation airports

Source: Beyond Aero Data Platform

MARKET

Covering the main routes

86% of United States

20%

of flights from SF are going to LA

25%

of flights from LA are going to LV

29 flights

Per day (LA > SF & SF > LA) for 8 aircrafts

MARKET

— Main routes
○ Main business aviation airports

Source: Beyond Aero Data Platform

Transforming Airports for the Electric Era

Adapting Infrastructure for Tomorrow

Joining forces with key airports

80%

Of the business routes are below the 1,500km

90%

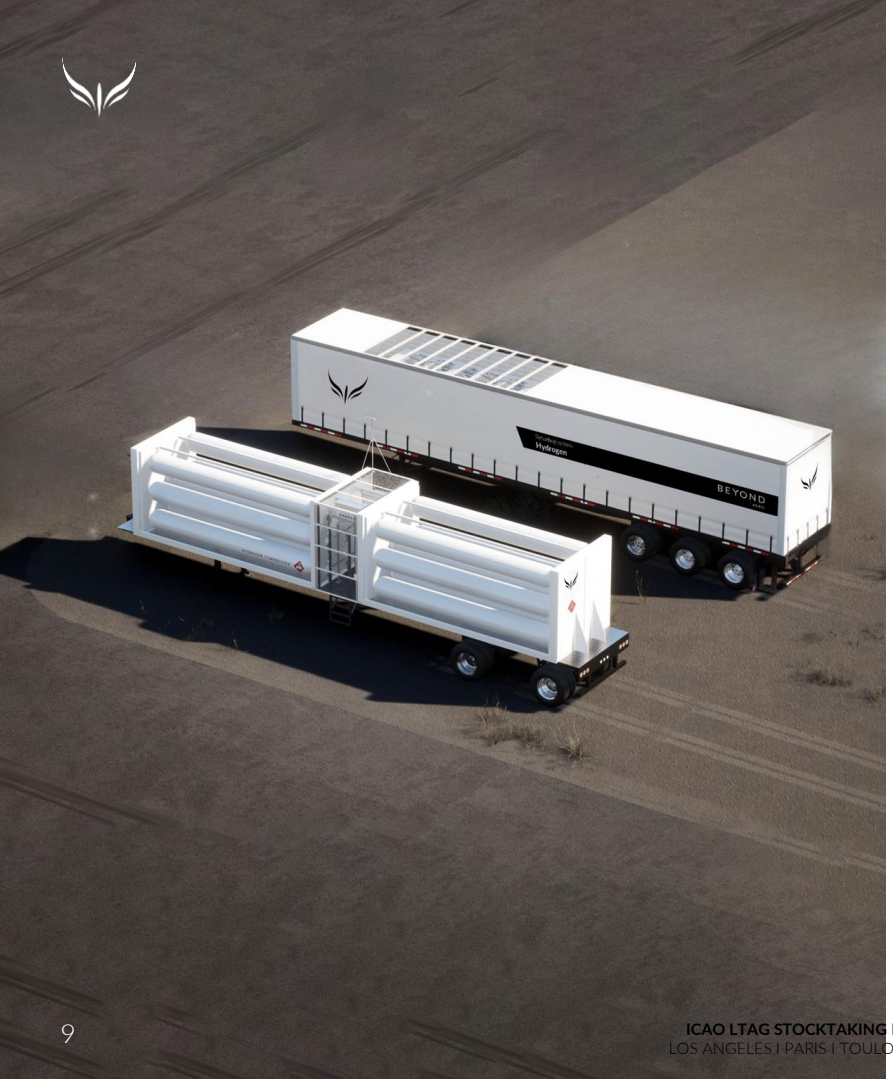
Of flights operated by 15% of the top EU airports.

1.7 tons H2

Daily necessary H2 mass for **Le Bourget Airport** (average, for all flights < 8.6 t)

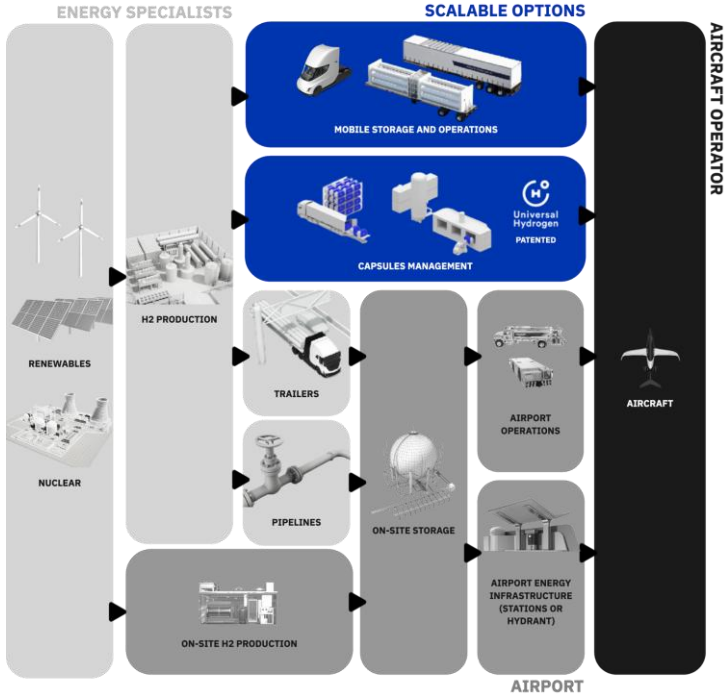
10 kg/100km

H2 efficiency. The average value in our models.



Hydrogen energy requirements:

Summary value chain



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