



COMPLETING THE HYDROGEN VALUE CHAIN

March 2023

Proprietary and confidential. Not for distribution.



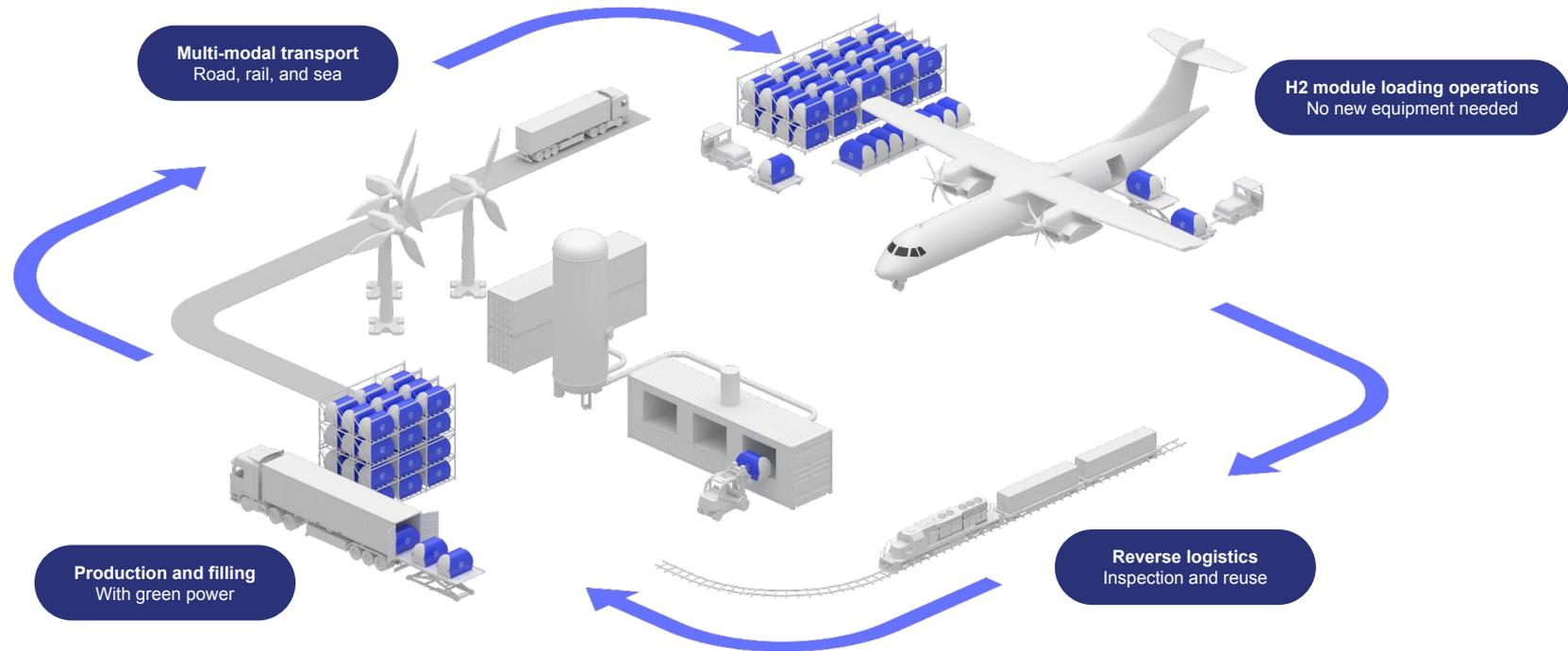
We have an increasingly global footprint to meet our targets

Two engineering centers, a flight test facility, and a manufacturing site position us for entry into regional service in 2025 and rapid growth

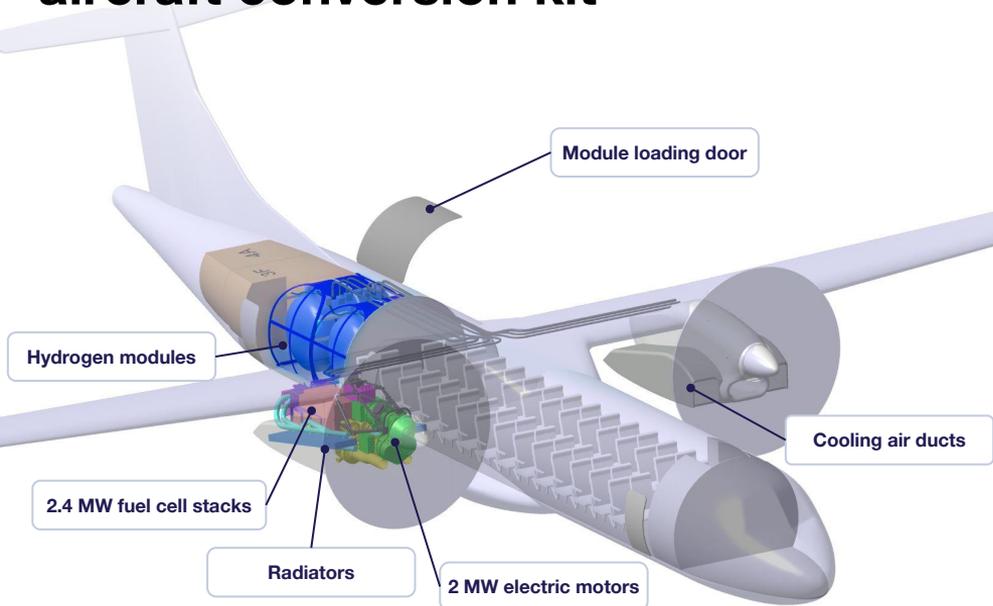


Modular capsules enable transportation of hydrogen as dry freight

Using the existing intermodal containerized freight network and on-airport cargo handling equipment makes every airport hydrogen-ready



First hydrogen-powered regional aircraft conversion kit



Hydrogen ATR72-600H Specifications

LH2 modules H2 capacity	340 kg LH2 (2 modules @ 170 kg LH2 each)
LH2 modules total mass	1,200 kg total mass (28% H2 mass fraction)
Max takeoff weight (MTOW)	23,000 kg (unchanged)
Useful range	> 500 nmi (including 45 min fuel reserves)
Passenger capacity	56 passengers (loss of ~3 seat rows)
Baggage capacity	7.8 m ³ (unchanged)



Iron Bird
Tested extensively since March 2022



Ground tests of UH2 powerplant



PLUG POWER  magniX

jetBlue | technology ventures.

 TOYOTA VENTURES

 AIRBUS VENTURES

Tencent

 CS Energy Group.

Ready for take off end-Feb 2023







N330EN

Universal
Hydrogen

100% HYDROGEN





Universal Hydrogen
carbon free H₂



Universal Hydrogen

