



Advancing more efficient flight in Europe


GE Aerospace and our partners make engines that power three-quarters of the world's commercial flights. That scale, combined with our history of innovation and continued investment in research and development, means we have strong technological capability to help the aviation industry reach ambitious emission reduction goals. In 2026, plans are to invest more than € 110 million across our Europe manufacturing sites to increase capacity and scale production of innovative components.


Sustainability efforts by the numbers:

 **20%**
target reduction for CO₂ emissions compared to today's most efficient engines

 **1000**
new workers to be hired across Europe in 2026

 **40%**
more fuel-efficient commercial engine designs today compared to previous generations¹

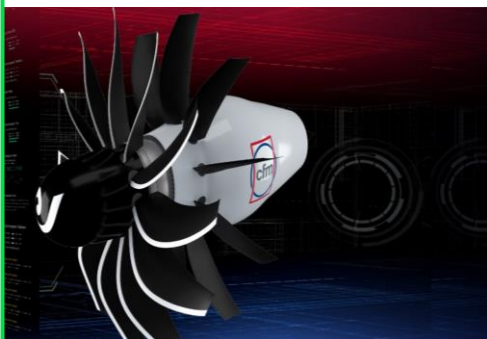
 **10**
different engine models tested with 100% Sustainable Aviation Fuel (SAF)

 **1st**
high-voltage, MW-class, high-altitude hybrid electric test²

In Europe, GE Aerospace affiliates are advancing four projects – TAKE OFF, OFELIA, AMBER, and HYDEA – in partnership with the Clean Aviation Joint Undertaking to power next generation aircraft. New technologies are being advanced for ground and flight tests this decade for potential entry-into-service in the mid-2030s.

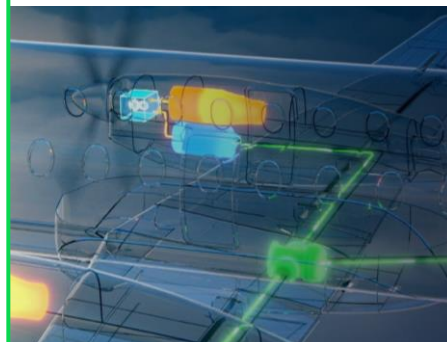
OFELIA & TAKE OFF

Open Fan ground & flight test demonstrators to accelerate advanced propulsion technologies Safran-led consortium



AMBER

MW-class hybrid electric propulsion system development powered by hydrogen fuel cells ... Avio Aero-led consortium



HYDEA

Hydrogen combustion technology demonstrator to modify a GE Aerospace Passport engine for tests ... Avio Aero-led consortium



¹ Compared to engines made in the 1970s and 1980s
² In simulated altitude conditions up to 45,000 feet