



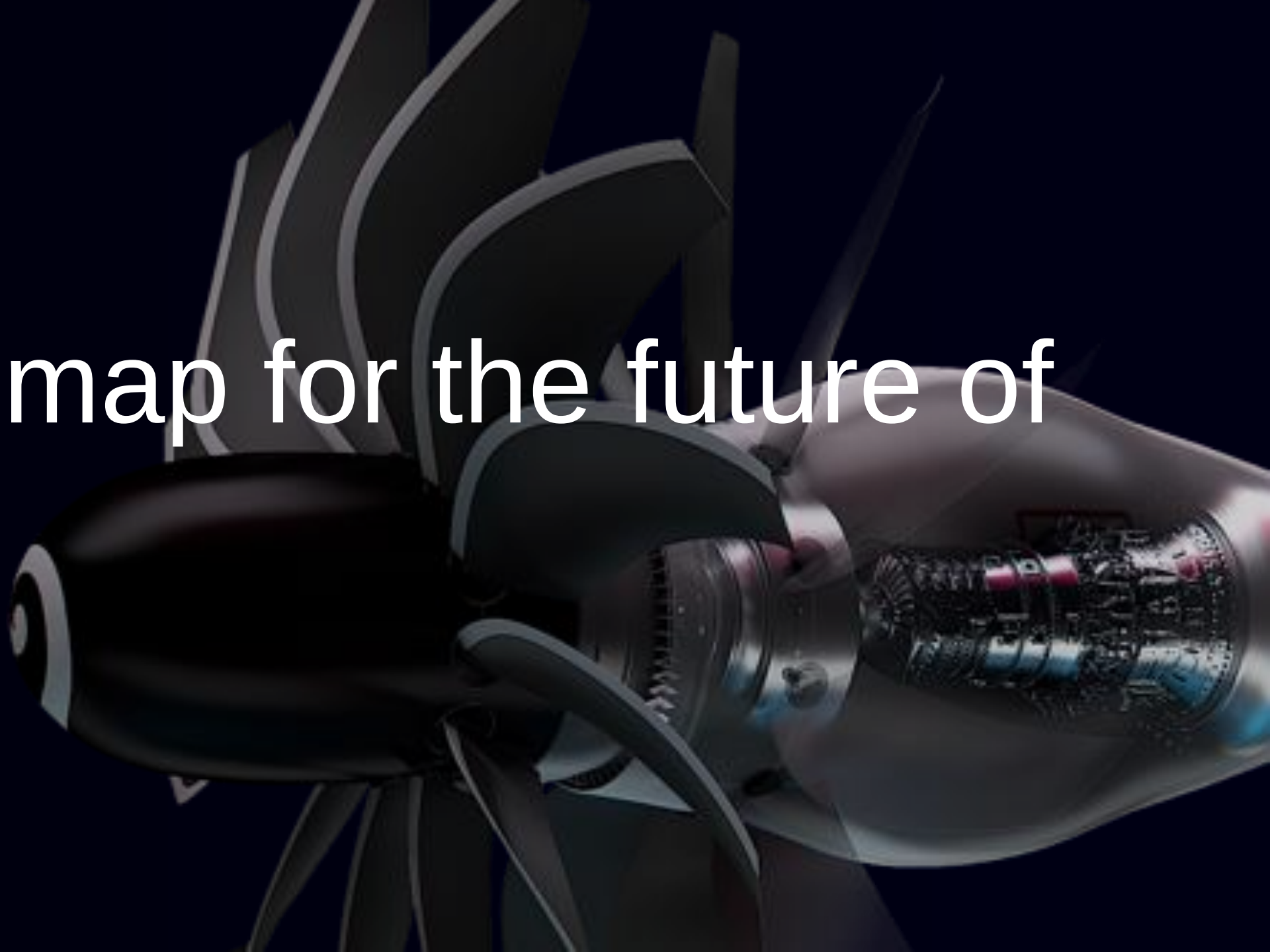
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Engineering sustainability and fuels
manager
GE Aerospace



GE Aerospace

— Roadmap for the future of flight

— July 2023



Technologies to help meet industry net-zero ambition

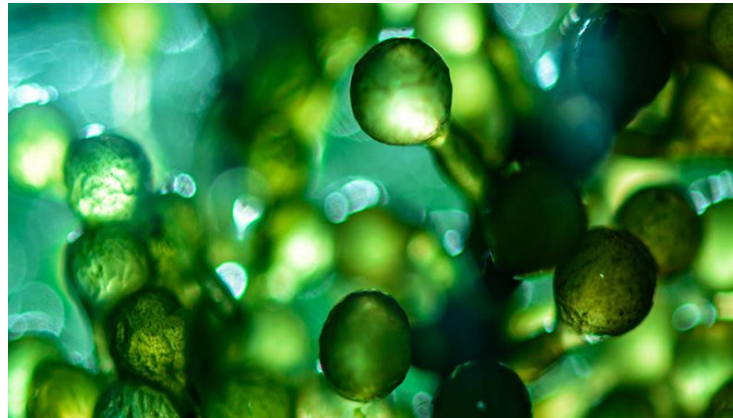
Now

Renewed commercial engine portfolio, plus services technologies, reduce existing fleet CO2 emissions



Near

100% Sustainable Aviation Fuel (SAF) standards and greater SAF adoption to reduce lifecycle CO2 emissions



Next

Breakthrough technology demonstrators ... CFM RISE*, hybrid electric, hydrogen combustion



CFM's RISE program by the numbers

100%

SAF
compatibility

20%

Better
fuel efficiency

100+

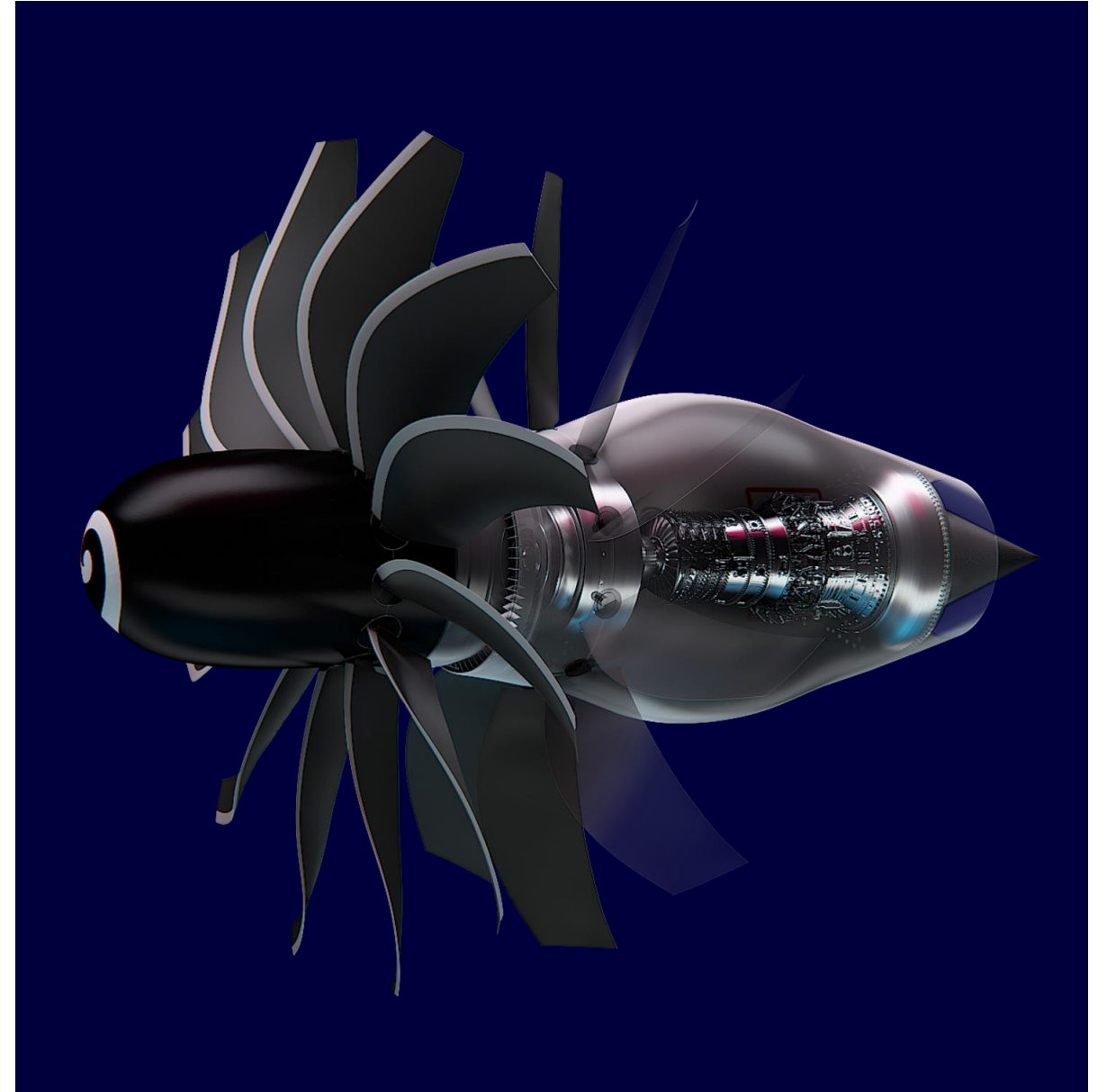
Tests
completed

1,000+

Engineers
worldwide



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CFM is a 50/50 joint company between GE and Safran Aircraft Engines. RISE is a registered trademark of CFM.

All GE, CFM International, and Engine Alliance engines can operate with approved Sustainable Aviation Fuel (SAF) today

8

Types of SAF are approved for jet engines today

50%

Maximum blend limit of current SAF with conventional jet fuel

500k

Commercial flights worldwide operated using SAF since 2011*

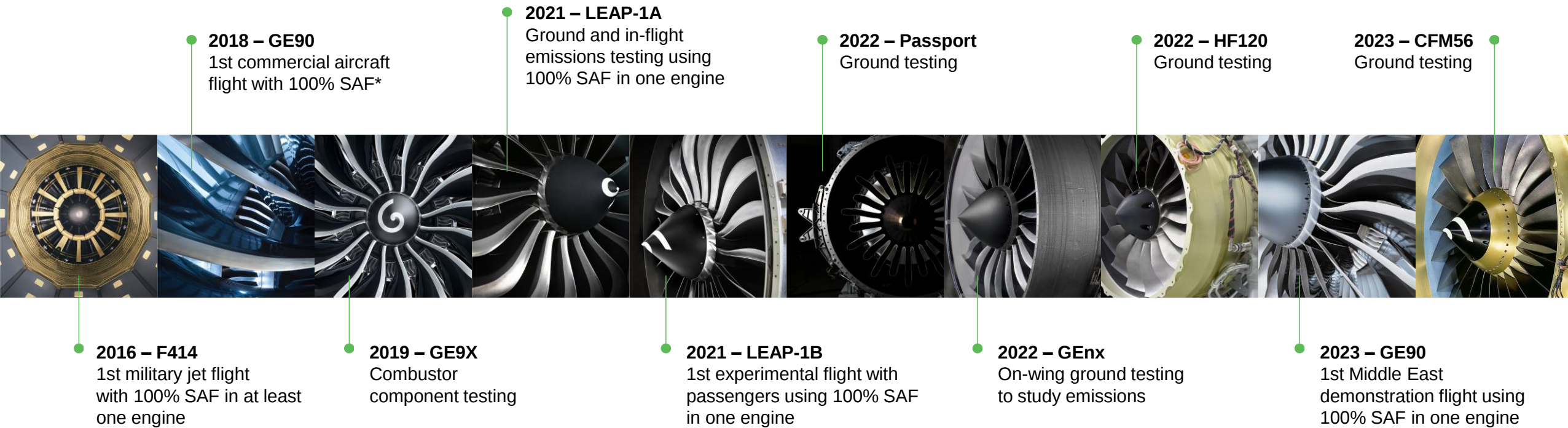
CFM International is a 50-50 joint company between GE and Safran Aircraft Engines. Engine Alliance is a 50-50 joint company between GE and Pratt & Whitney.

*According to Air Transport Action Group



GE Aerospace 100% SAF testing

GE Aerospace has been actively involved in assessing and qualifying Sustainable Aviation Fuel (SAF) since 2007. All GE engines can operate on approved SAF blends today. GE also supports industry initiatives to qualify 100% SAF.



*Tests included 100% SAF in one engine, as well as in both engines.

LEAP and CFM56 engines are a product of CFM International, a 50-50 joint company between GE Aerospace and Safran Aircraft Engines.

HF120 engines are a product of GE Honda Aero Engines LLC, a 50/50 joint company between GE Aerospace and Honda Aero, Inc.



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