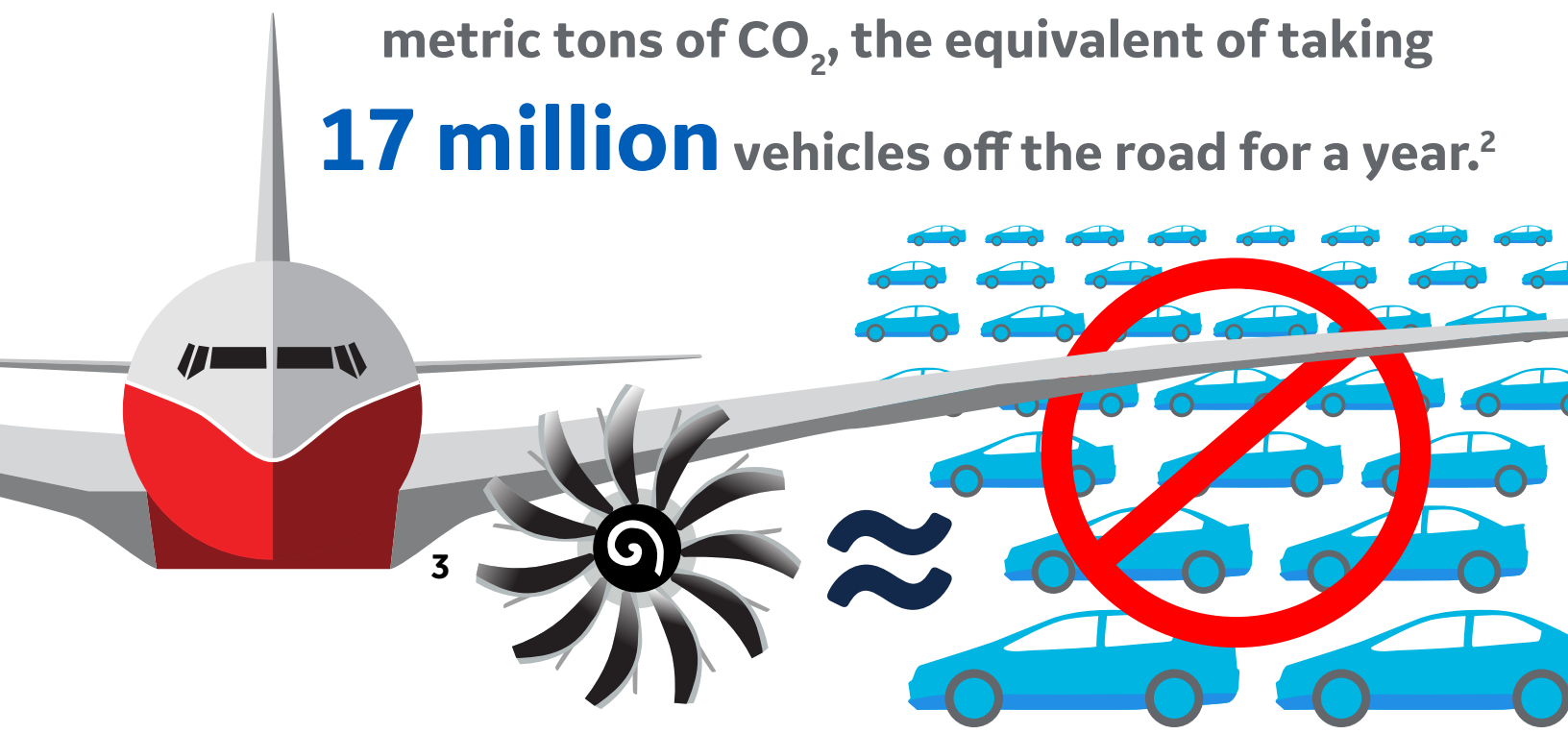
GE AVIATION

Sustainable Aviation Is On The Rise

In June 2021, GE and Safran launched the CFM RISE[1] (Revolutionary Innovation for Sustainable Engines) program, which seeks to develop advanced technology to slash carbon emissions by 20% in comparison to today's most efficient engines. By mid-decade, CFM International will test an open-fan concept engine that would represent the single biggest step in decarbonization the company has ever taken.

Fitting all the world's single-aisle aircraft with an open-fan design could save 80 million metric tons of CO_2, the equivalent of taking 17 million vehicles off the road for a year.[2]



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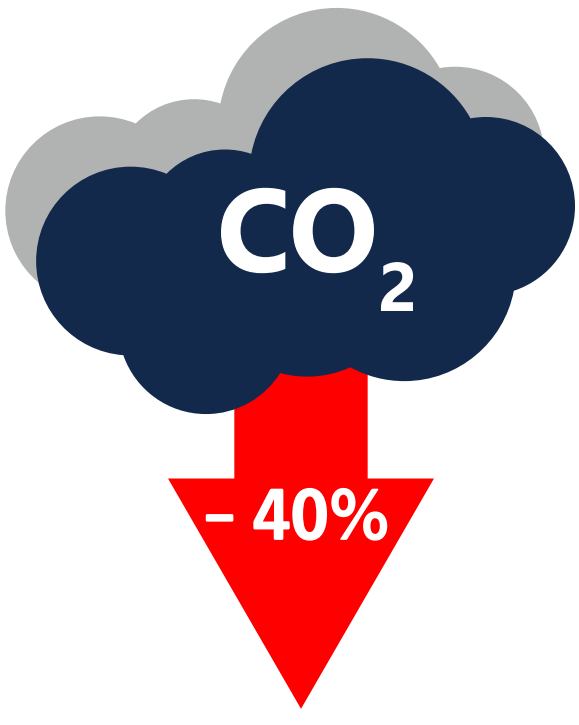
Since the 1980s, CFM engines have reduced CO_2 emissions by 40%, compared to the engines that were replaced.



Aviation produces only 2% of total human-induced CO_2 emissions[4], but aircraft traffic growth could triple carbon emissions by 2050.[5]

That's why CFM is acting now.

[1]RISE is a trademark of CFM International, a 50-50 joint company between GE and Safran Aircraft Engines.
[2]As of 2019. Flight data from FlightRadar24. Vehicle emissions data from the U.S. Environmental Protection Agency.
[3]CFM concept. Not representative of any defined future aircraft design.
[4]Source: Air Transport Action Group.
[5]Source: Environmental and Energy Study Institute.