



fello'fly

Wake Energy Retrieval - Formation Flying

Aviation Noise & Emissions Symposium 2023 - May 1-3, 2023, UC Davis

Philippe Masson - philippe.masson@airbus.com

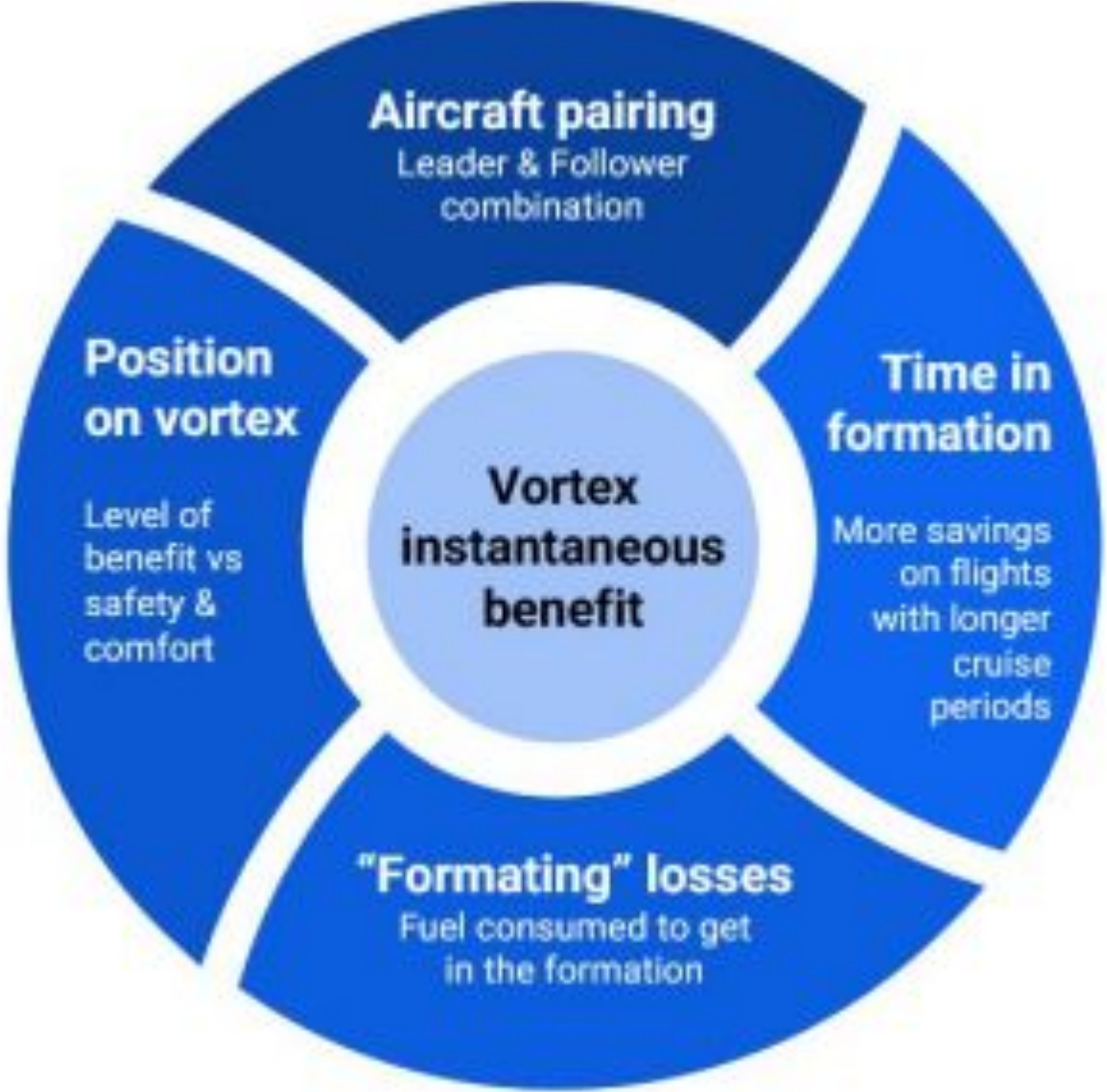
Wake Energy Retrieval

A large amount of kinetic energy is left behind aircraft in their wakes.

Around 5% trip fuel & emissions reduction for a follower aircraft positioned in the smooth updraft

Applies to sectors above 2000 NM

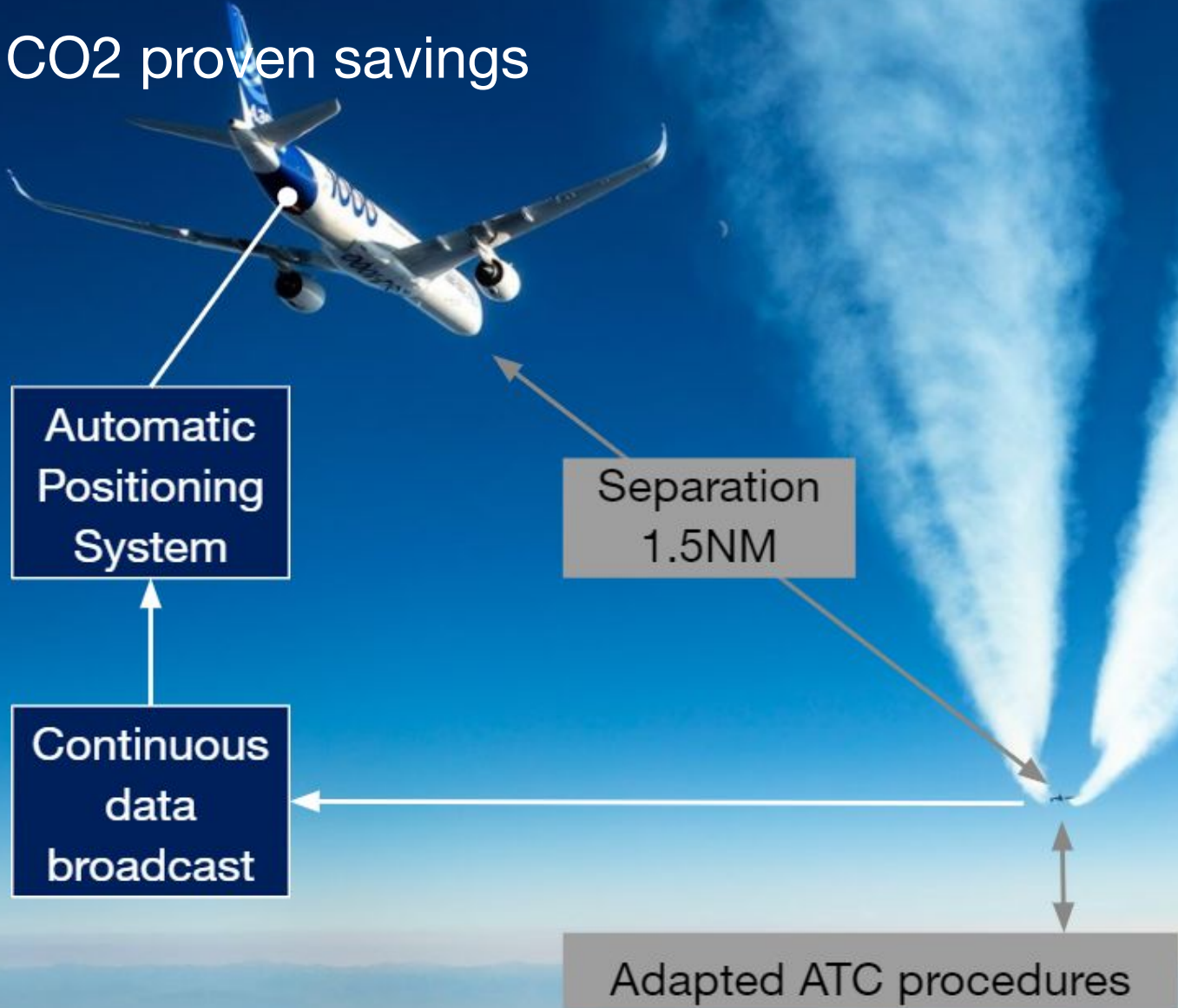




Wake Energy Retrieval

Key parameters

Technology
5% fuel and CO2 proven savings



An aerial photograph of a city at sunset. The sky is a gradient of blue and orange, with a few wispy clouds. Two airplanes are visible in the sky, one on the left and one on the right, both leaving white contrails. The city below is a dense grid of buildings, with some lights visible. The overall scene is bright and clear.

2019

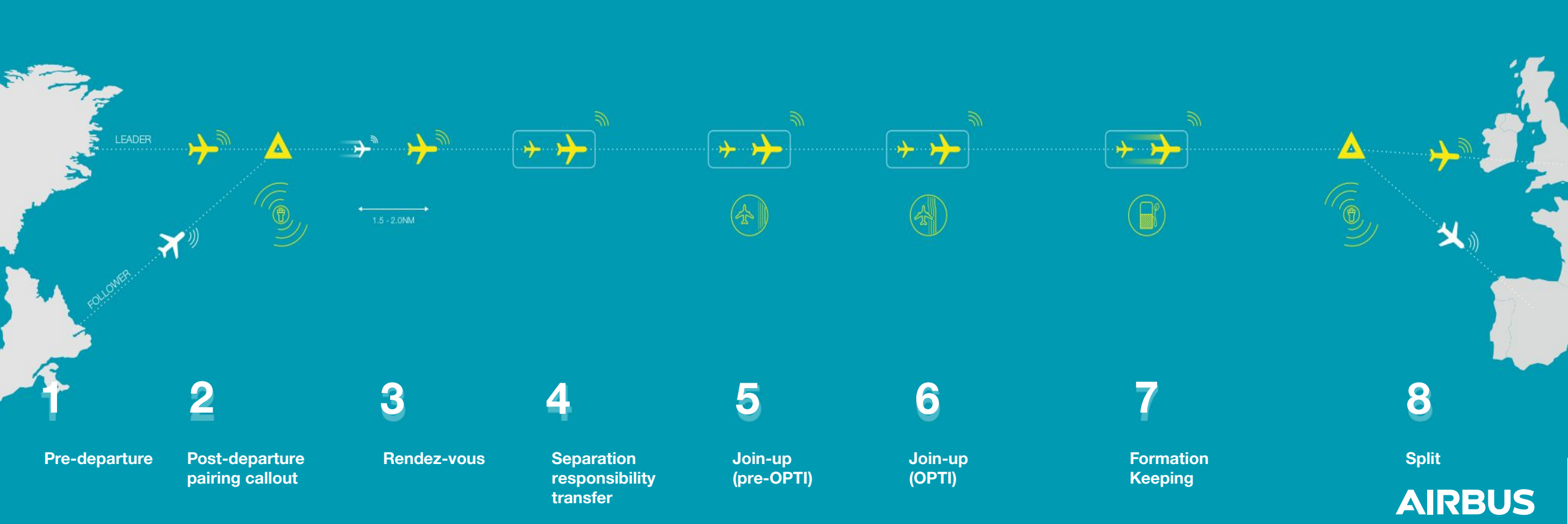
project announced

2021

proven technology
& operations

Initial Concept of Operations

Oceanic CONOPS agreed with project collaborating partners







Q&A

More information : <https://www.airbus.com/en/innovation/disruptive-concepts/biomimicry/fellofly>

Thank you

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