



HYBRID-ELECTRIC REGIONAL ARCHITECTURE

Designing the third-era of Aviation

ABOUT THE PROJECT

Aviation has, slowly but steadily, taken the path of decarbonization toward sustainable sources of energy. In addition, there is a considerable increase in the use of regional AirCrafts (A/Cs).

HERA aims to identify and trade off the concept of a regional A/C, serving the need for sustainability. The high-level goals are, first, to develop the required A/C-level technologies and, second, to integrate the required enablers to meet the 50% less technology-based Green House Gas (GHG) emissions.

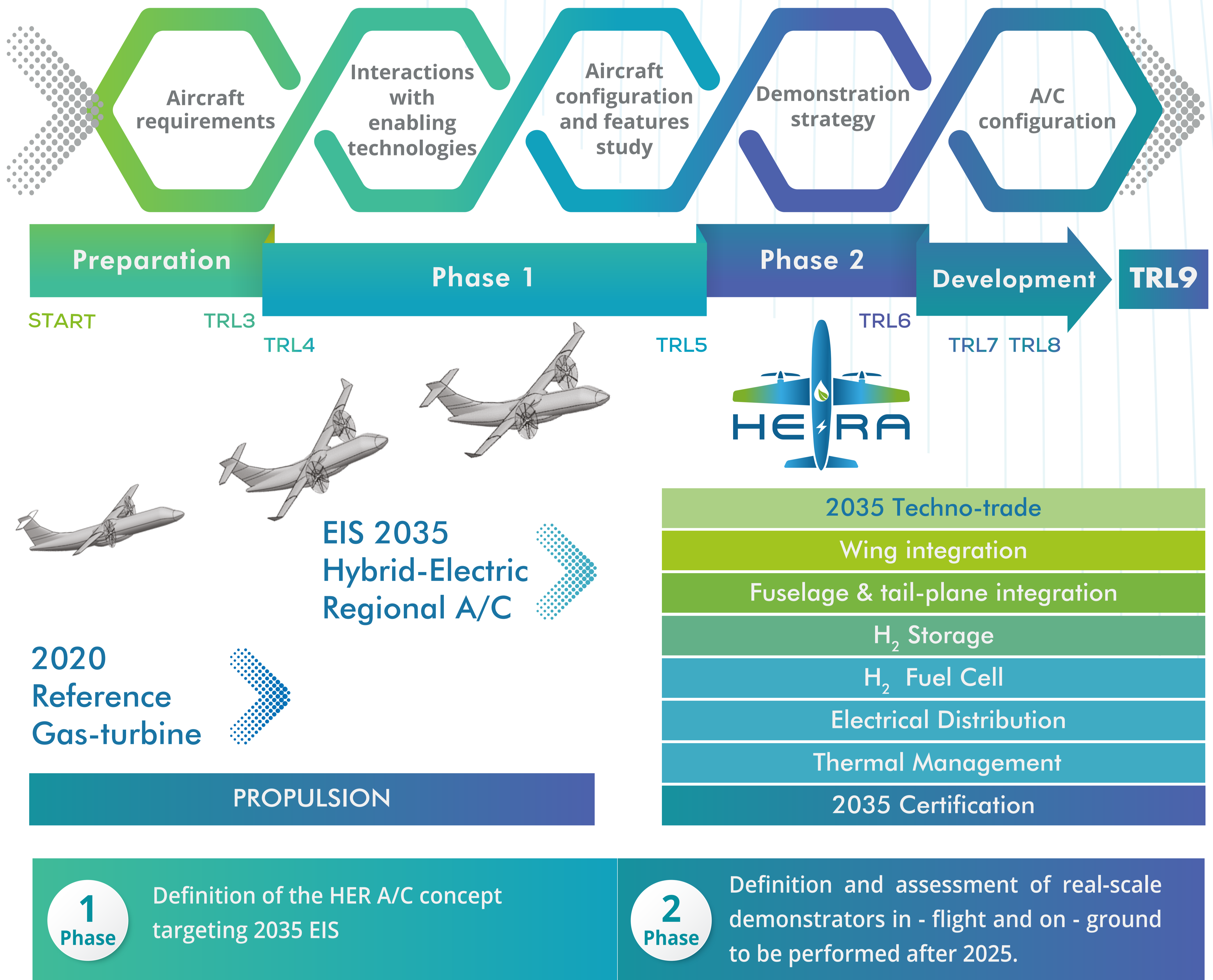
PROJECT'S OBJECTIVES

To define the potential hybrid-electric regional (HER) A/C concept including key performance, architectures, systems enabling hybrid-electric propulsion, and new power sources.

To provide the real-scale demonstrators -in-flight and on-ground- to be performed after 2025 in Clean Aviation supporting the hybrid-electric validation at high Technology Readiness Levels (TRL) of the widest set of solutions useful to support the next development of an actual regional A/C.

ROADMAP

towards a Hybrid-Electric Regional Aircraft for 2035 EIS



THE TEAM



lets connect!



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- 48 months
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