



Hybrid Electric

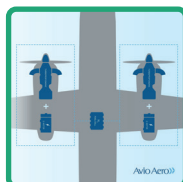
Combining Innovative Airframe,
Novel Systems & HE power train



HE-ART

2.150-2.850 MW Multi Hybrid
Electric propulsion system
for regional AiRcraft

ROLLS-ROYCE (*)



AMBER

~ 2MW Multi Power train
InnovAtive for hyBRid-Electric
Regional Application

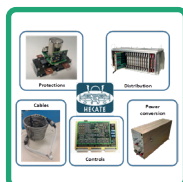
GE AVIO (*)



TheMa4HERA

Thermal Management
Solutions for Hybrid
Electric Regional Aircraft

HONEYWELL (*)



HECATE

Electrical Distribution
Solutions for Hybrid-Electric
Regional Aircraft

COLLINS (*)



HERWINGT

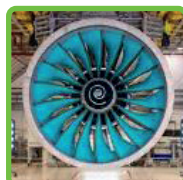
Hybrid Electric Regional Wing
Integration Novel Green
Technologies

AIRBUS (*)



Ultra Efficient / Short Medium Range

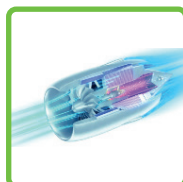
Combined powerplant & Airframe efficiency



HEAVEN

Ultrafan – Hydrogen & hybrid
gas turbine design

ROLLS-ROYCE (*)



SWITCH

Sustainable Water-
Enhanced-Turbofan (WET)
Comprising Hybrid-electrics

MTU AERO ENGINES (*)



OFELIA

Open fan engine demonstrator
incl. gas turbine design
hybridisation for Environmental
Low Impact of Aviation

SAFRAN (*)



UP Wing

Ultra Performance Wing

AIRBUS (*)



FASTER-H2

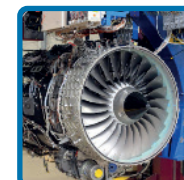
Fuselage, Rear Fuselage and
Empennage Technologies for
H2 Integration

AIRBUS (*)



Hydrogen Powered Aircraft

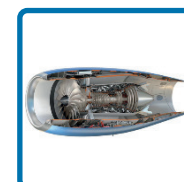
Novel concepts with H2 direct burn &
fuel cell based propulsion



CAVENDISH

Hydrogen and dual fuel combustion
technologies

ROLL ROYCE (*)



HYDEA

Hydrogen engine integration in
flying platform

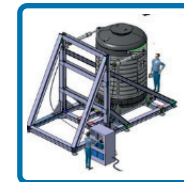
AVIO AERO (*)



NEWBORN

NExt generation high poWer fuel
cells for airBORNe applications

HONEYWELL (*)



H2ELIOS

HydrogEn Lightweight &
Innovative tank for zero-emisSion
aircraft

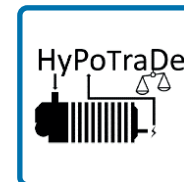
ACITURRI (*)



FLHYing Tank

Liquid hydrogen load bearing
tank for commuter

PIPISTREL (*)



HyPoTraDe

Hydrogen Fuel Cell Electric Power
Train Demonstration

PIPISTREL (*)

(*) Consortium Leader

Transversal projects



CONCERTO

Construction Of Novel CERTification methOds and means of compliance for disruptive technologies

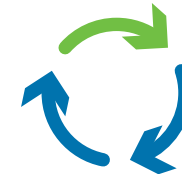
DASSAULT (*)



HERA

Hybrid-Electric Regional Aircraft Architecture and technology integration

LEONARDO (*)



SMR ACAP

SMR Aircraft architecture and technology integration Project

AIRBUS (*)



ECARE

European Clean Aviation Regional Ecosystem/synergies with regions