

HECATE

NEW HIGH-VOLTAGE ELECTRIC POWER DISTRIBUTION TECHNOLOGIES

for Regional Aircraft



Vision

Support the development of a hybrid-electric propulsion system seen as a key enabler in achieving aviation's goal of net-zero carbon emissions by 2050.



Stakes

Increase electric power levels from hundreds of kilowatts in today's aircraft, to megawatt levels in the aircraft of the future.



Specific goal

Demonstrate a >500 kW hybrid-electric architecture in ground tests by 2025.

Project acronym & title

HECATE

Hybrid Electric regional Aircraft distribution TEchnologies



Starting date

01/01/2023



Duration

36 months



EU requested contribution

34 M€



Project Coordination

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37 partners

from aircraft OEMs to system integrators, to system and subsystems suppliers

Funding scheme

HORIZON JU Innovation Action

GA Number

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CONSORTIUM



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