

Sustainable aircraft circular design and additive manufacturing, towards a climate neutral aviation

Horizon Europe

CODE	SCOPE
HORIZON-CL5-2027-03-D5-08	International
LOCATION	STATUS
Europe	Pending
PROGRAM	CURATED BY
Horizon Europe	Marlene Faria
GENERATED AT	
September 25, 2026	

Financial Details

SUPPORT TYPE	MAXIMUM FUNDING RATE
Non-Refundable	100%
BUDGET	ELIGIBLE PROJECT VALUE
5M€	Up to 2.5M€

Dates & Deadlines

PUBLICATION DATE	OPENING DATE
September 25, 2026	December 15, 2026

Application Phases

- Phase 1: April 14, 2027 at 03:00 PM

Objectives

Objectives

The main objective of this call is to advance additive design and manufacturing (AD/AM) of aircraft and engine structural components utilizing metals, high-value polymers, and composites. It aims to address challenges in achieving superior performance compared to current technologies, with a focus on overcoming issues such as residual

stresses, phase transformations, joining, defects, and reproducibility. Projects should target sustainable circular aircraft design and component manufacture, contributing to strategic orientations including the green and digital transitions. Eligible entities include research organizations, industrial stakeholders, and other legal entities (excluding those established in China) from EU Member States and associated countries.

Funding

Funding will take the form of a lump sum grant under Horizon Europe Research and Innovation Actions (RIA). The total envelope for this topic is €5,000,000, with EU contributions per project expected to be around €2,500,000. Co-financing rates can reach up to 100% of eligible costs, according to Horizon Europe rules. The topic is structured as a single-stage call. A maximum of 2 projects are expected to receive funding. Specific funding details, including allocation guidelines and eligible cost categories, are detailed in the respective Horizon Europe General Annexes.

Eligible Expenses

- Personnel Costs
- Travel costs
- Equipment costs
- Other goods, works and services costs
- Subcontracting
- Indirect Costs

Eligibility

Eligible Sectors

- Industry
- Energy & Environment
- Aerospace & Defense

Company Typologies

- Micro
- Sme
- Small Mid-Cap
- Mid-Cap
- Large
- Non-business entities of the R&I system (ENESII)
- Private non-profit entities
- Public entities

Application Mode

- Consortium / Copromotion

Action Types

- Research and Innovation Action
- Additive Manufacturing
- Sustainable Circular Design
- Maintenance and Repair Technologies

- Recycling High-Value Materials

EU Programme Details

CALL ID

HORIZON-CL5-2027-03-D5-08

CLUSTER

Cluster 5: Climate, Energy and Mobility

DESTINATION

Destination 5: Clean and competitive solutions for all transport modes

SUBMISSION MODE

Single-stage

EU CONTRIBUTION

around 2 500 000 EUR

EXPECTED PROJECTS

2

FUNDING RATE RULE

Up to 100% of eligible costs for Research and Innovation Actions (RIA)

Official Links

Official Regulation:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/topic-details/HORIZON-CL5-2027-03-D5-08?order=DESC&pageNumber=1&pageSize=50&sortBy=relevance&keywords=HORIZON-CL5-2027-03-D5-08&isExactMatch=true&status=31094501,31094502,31094503>

Grantavia page: <https://grantavia.com/en/incentives/sustainable-aircraft-circular-design-and-additive-manufacturing-towards-a-climate-neutral-aviation>

Schedule a meeting: <https://calendly.com/sandra-cardoso-epsa/reuniao>