Consortium



AMULET

Advanced Materials and Manufacturing Technologies united for Lightweight

Project Information

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101005435

Background

To reach the ambitious goal of a decarbonized and efficient circular economy, lightweight construction was identified to play a key role. Thereby, the application of advanced lightweight materials such as fiber-reinforced polymers, ceramic matrix composites and light metal alloys has already enabled significant weight reductions while increasing performance over the past decades. However, the application potential of advanced lightweight materials that has been achieved scientifically and technically has not yet been fully exploited by small and medium-sized enterprises (SMEs). The trans-European project AMULET aims to exploit this innovation potential of SMEs through a crosssector, funded knowledge exchange. This will establish new, pan-European value chains for advanced lightweight materials.

Considered Topics

4 sectors

buiding



aerospace & aeronautics



energy



automotive



3 advanced materials

- fiber-reinforced polymers
- ceramic matrix composites
- light metal alloys

Approach

1st Open Call Q1/2022
2nd Open Call Q3/2022

	APPLICATIONS	FEASIBILITY STUDY	DEMONSTRATION
THEMATIC COMPETITIONS	3 matchmaking events in Belgium, Poland and Italy	48 consortia move forward to submit a feasibility study	12 consortia move forward to demonstrate their solutions
	Open: 2 months	Duration: 4 months	Duration: 12 months
	12 challenges	10 pages	Voucher worth €17,000 for innovation support
	72 outstanding solutions receive €2,000	€23,000 (per consortia)	€81,000 (per consortia)
EDUCATIONAL SUPPORT	INDIVIDUAL COACHING: Expert coaching delivered to SME's		
	EDUCATIONAL COURSES: Business and technical educational material (Video lessons, webinars and more)		

AMULET

All details are based on the information available at the time of preparation. All information is subject to change.

Project Start

01. September 2021

Thematic competitions

Topics eligible for funding	12
Size of the consortium (exclusively SMEs)	2-3
Represented EU countries per consortium	2-3
Maximum funding per consortium	€123,000 lump sum
Maximum funding per SME	€60,000 lump sum
TRL at project start	5-6
Deadlines for application phase	Q1/2022 1. open call
	Q4/2022 2. open call

Educational support

Launch of bilateral consulting for SMEs	03/2022
Launch of the online learning platform	08/2022
Launch of online webinars	08/2022

General contact

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