

The consortium



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Advancing Green Deal Principles in
sMART FacADE TechnoLOGies for the
construcTIon sECTOR based on AI,
Data & Robotics

About the Project

AMALTEA aims to integrate robotics, AI, and data into the construction sector to reduce energy consumption, resource use, and waste in buildings.

The project focuses on enhancing safety, improving process reliability, and elevating product quality to address the changing needs of end users and support the goals of the Green Deal.

To achieve this, the **curtain-wall façade** value chain will be reimagined through the digitalization of design, manufacturing, installation, and disassembly/recycling phases. This digital transformation will involve the development of various digital tools, including **simulation models, parametric design, extended digital twins, robotic solutions for manufacturing and installation, quality control systems, and recycling technologies**—all enhanced by **AI and data**. These tools will be integrated with innovative technical solutions provided by small and medium-sized enterprises (SMEs) and start-ups involved in the project through the FSTP.



Open Call

AMALTEA supports **SMEs and startups** in developing innovative software or hardware solutions for façade applications, focusing on AI-enhanced design, digital twins, and robotics.

To drive this innovation, the project is launching **two Open Calls** to select up to **25 third-party projects**, inviting innovative digital technology developers to create cutting-edge digital and robotic solutions for the entire façade value chain.

Open call 1

The first Open Call, covering both software and Hardware Solutions for Façade Applications (with funding between €100,000 and €200,000), will be launched in the summer of 2025.

Open call 2

The second Open Call is scheduled for early 2026. These dedicated funding instruments include comprehensive technical mentoring and business support to drive sustainable and efficient construction processes in line with the Green Deal.



Check out
our funding
opportunities