



An open innovation test bed
for building envelope materials

iclimabuilt's goal is to create an open access ecosystem for developing, upscaling and testing innovations in building envelope materials and technical systems via its 9 Pilot Lines (PLs) to reach Nearly Zero Energy Buildings (nZEB) balance

Main idea

Materials development
(for improved thermal and functional performance of building envelope solutions)

Design and assembly of technical systems (fully customizable, flexible, modular and de-mountable aesthetic designs)

Monitoring and characterization strategies to support decision-making (fully monitored living labs and nonresidential nZEBs)

Dissemination and exploitation activities
(increased market and societal acceptance of validated products through the testbed)

Refined and expedited access to financing solutions to reinforce the competitiveness and extroversion of SMEs, all translated to "6 building blocks" in the project

Impact

To provide easy open access through its Single Entry Point (SEP) to industrial partners, including SMEs

- ➡ to Pilot Lines related to materials development, manufacturing, and system integration
- ➡ to advanced characterization techniques, modelling & simulation software, environmental assessment
- ➡ consultancy on standardization and regulatory aspects (including nanosafety) for upscaling concepts related to materials for building envelopes.

- At least 20% increase in the number of new SME users for existing test beds
- At least 20% improved industrial process parameters
- At least 30% faster verification of materials and system performance
- At least 30% faster verification of materials performance

Partners



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PROJECT RESPONSIBLE

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PROJECT INFO

27 Partners
14 Countries
48 Months

PROJECT CONTACT

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