

Project idea/ Field of expertise:

Building envelopes, SmartHome, LCA, transport infrastructures, off shore

Organisation Name:

**Materials Testing Institute
University of Stuttgart**



Adressed challenge(s)/ PPP(s):

- LC-EEB-04-2020: Industrialisation of building envelope kits for the renovation market (IA)

Adressed topic(s) in Work Programme:

- LC-EEB-07-2020: Smart Operation of Proactive Residential Buildings (IA)
- Several calls under LC-SC3-B4E (energy topic)

Institutional information and expertise:

- Central university institute
- 300 employees, 75 % funding from industry
- Notified body according to construction product regulation (CPR)
- Contacts to SMEs in construction sector
- Expertise on infrastructure assessment

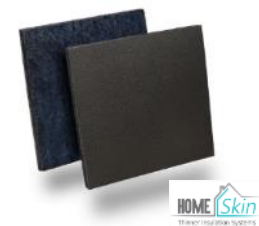
European projects:

- Wall-ACE <https://www.wall-ace.eu/>
- HomeSkin - HOMES Key INSulating material – (<http://homeskin.net/>)
- AMANAC cluster <https://www.amanac-cluster.eu/>
- Infravation-project FASSTbridge <https://fasstbridge.eu/>
- CETIEB - Cost-effective Tools for Better Indoor Environment in Retrofitted Energy Efficient Buildings (www.cetieb.eu) (Coordinator)
- LEEMA - Low Embodied Energy Advanced (Novel) Insulation Materials and Insulating Masonry Components for Energy Efficient Buildings
- 3encult - Efficient Energy for EU Cultural Heritage (www.3encult.eu)
- EFFESUS - Energy Efficiency for EU Historic Districts Sustainability (www.affaires.us)
- Smart Monitoring of Historic Structures SMooHS (Coordinator)



LC-EEB-04-2020: Industrialisation of building envelope kits for the renovation market (IA)

- Experience from H2020 projects HomeSkin and Wall-ACE on highly efficient insulation materials (aerogels)
- Industrial partner with experience on application technologies in Switzerland



- Aim: Highly efficient, lightweight envelope kits for “thinner” and “faster” solutions

LC-EEB-07-2020: Smart Operation of Proactive Residential Buildings (IA)

- Experience on Indoor environment Quality from FP7-project CETIEB (www.cetieb.eu)
- Member of regional cluster Smart Home&Living <https://www.shl-bw.de/home/>
- Aim: Smart monitoring for improved comfort and control



B4E Calls

LC-SC3-B4E-1-2020: Towards highly energy efficient and decarbonised buildings

LC-SC3-B4E-3-2020: Upgrading smartness of existing buildings through innovations for legacy equipment

LC-SC3-B4E-8-2020: Renewable and energy efficient solutions for heating and/or cooling, and domestic hot water production in multi-apartment residential buildings

LC-SC3-B4E-9-2020: Support to the coordination of European smart buildings innovation community

LC-SC3-B4E-10-2020: Self-assessment and self-optimisation of buildings and appliances for a better energy performance

- Experience with IEQ monitoring and smart buildings
- Member of regional cluster Smart Home&Living
<https://www.shl-bw.de/home/>
- Cooperation institute ITGE (storage, HVAC, smart control, etc.)



Contact details

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