Objective

Objective is to develop and to demonstrate technologies and components for prefabricated modular renovation elements in five geo-clusters in Europe. This includes prefabricated durable, innovative, modular composed building envelope elements for the total building envelop for the renovation market, including the prefab integration of multifunctional components for climate control, energy saving, building physics and aesthetics, with advanced easy to use plug&play connections (mechanical, hydraulic, air, electric, prefab airtight joints). MORE-CONNECT offers tailor-made renovation concepts, from a standardized industrialized manufacturing and assembly process, in a one-shop-stop concept to the end-user, with a nearly zero energy performance of the total modular renovation concepts, a maximum lifetime of the renovation concepts with minimal maintenance costs and maximum life cycle costs savings of the total renovation concepts.
return on investment less than 8 years and with a limitation of the total renovation time of 5 days. The concept offers performance guarantee for individual energy use and the quality of the indoor environment. Product innovation includes the selection of sustainable materials and sustainable detailing. A specific feature is the development of Plug & Play connection of modular components. Smart combinations of components and executions ensure extra performances for NZE concepts, healthy indoor environment, safety, accessibility. Components communicate by integrated (wireless) sensors and control components for performance diagnostics and control. Process innovation will be achieved by the use of advanced geomatics to make inventories of buildings. Webbased tools will link building characteristics, building (energy) potentials, and end-users demands to program requirements. This will be processed in BIM systems for the steering industrial process and enhanced quality control. This makes it possible to make tailor-made solutions for individuals, in mass production (n =1 series). Business models and advanced energy services (one-stop-shop) will be developed for each geo cluster.

Field of science

/social sciences/economics and business/economics/sustainable economy

Programme(s)

Topic(s)

Call for proposal

H2020-EE-2014-1-PPP

Funding Scheme

IA - Innovation action

Coordinator

Huygen Installatie Adviseurs

Address

Parkweg 22B
6200AM Maastricht
Netherlands

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

EU contribution

€ 442 921,80
## Participants (18)

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<th>Activity Type</th>
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<td>STICHTING ZUYD HOGESCHOOL</td>
<td>Netherlands</td>
<td>€ 137,756.25</td>
<td>Nieuw Eyckholt 300, 6419 DJ Heerlen</td>
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<td>BJW BV</td>
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<td>Propaanstraat 7, 7463 PN Rijssen</td>
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<td>RIGAS TEHNISKA UNIVERSITATE</td>
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<td>€ 330,450</td>
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LATVIAN WOOD CONSTRUCTION CLUSTER
Latvia
EU contribution
€ 56 875

Address
Kr Barona 130 K-10
1012 Riga

Activity type
Other

Contact the organisation

ZEMGALES TEHNOLOGISKAIS CENTRS
Latvia
EU contribution
€ 78 925

Address
Akademijas Iela 19
3001 Jelgava

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

TALLINNA TEHNIKAULIKOOL
Estonia
EU contribution
€ 745 900

Address
Ehitajate Tee 5
12616 Tallinn

Activity type
Higher or Secondary Education Establishments

Website
Contact the organisation

MATEK AS
Estonia
EU contribution
€ 103 600

Address

Activity type
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<td>REF EHITUSTOOD OU</td>
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<td>€ 93,800</td>
<td>Peterburi Mnt 3 22 10137 Tallinn</td>
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<td>UNIVERSIDADE DO MINHO</td>
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<td>€ 135,485</td>
<td>Largo Do Paco 4704 553 Braga</td>
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<td>CESKE VYSOKE UCENI TECHNICKE V PRAZE</td>
<td>Czechia</td>
<td>€ 337 930</td>
<td>Jugoslovskych Partyzanu 1580/3, 160 00 Praha</td>
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### RD RYMAROV SRO
- **Country**: Czechia
- **EU contribution**: €100,502.50
- **Address**: 8 Kvetna 1191/45, 795 01 Rymarov
- **Activity type**: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation →

### ECONECT AG
- **Country**: Switzerland
- **EU contribution**: €0
- **Address**: Gerechtigkeitsgasse 20, 8002 Zurich
- **Activity type**: Other

Contact the organisation →

### GAIURB - URBANISMO E HABITACAO EM
- **Country**: Portugal
- **EU contribution**: €196,090
- **Address**: Largo De Aljubarrota 13, 4400 012 Vila Nova De Gaia
- **Activity type**: Other

Contact the organisation →

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