Industrial Development of Water Flow Glazing Systems

Informations projet

InDeWaG

N° de convention de subvention: 680441

Site web du projet

État

Projet clôturé

Date de début
1 Août 2015

Date de fin
29 Février 2020

Financé au titre de: H2020-EU.3.3.1.

Budget total: € 4 996 786,69

Contribution de l'UE: € 4 230 351,50

Coordonné par: UNIVERSITAT BAYREUTH Allemagne

Objectif

Although Nearly Zero Energy Buildings will become a “must” for new buildings in Europe by the end of 2020 – no particular building concept exists, which would enable maximum use of daylight by a transparent glass façade and at the same time ZEB performance.

InDeWaG is introducing a new, disruptive building envelope system which has a at least 15% building cost reduction potential and could be brought to industrial ripeness. The cost reduction goal and ZEB performance will be achieved with Fluid Flow Glazing facades (FFG) and Radiant Interior Walls (RIW), while minimizing the size of HVAC and PV-installations. InDeWaG is following a dual strategy to bring costs of ZEB down: The project concentrates on industrial production of standardized building components, which can be used for multiple types of ZEB in different climate zones and on the development of a simulation tool for precise early stage planning of buildings which use these innovative glazing building envelope and interior elements.

Champ scientifique

/ engineering and technology/mechanical engineering/thermodynamic engineering
Programme(s)
H2020-EU.3.3.1. - Reducing energy consumption and carbon footprint by smart and sustainable use

Thème(s)
EE-02-2015 - Buildings design for new highly energy performing buildings

Appel à propositions
H2020-EE-2015-1-PPP

Voir d'autres projets de cet appel

Régime de financement
IA - Innovation action

Coordinateur
UNIVERSITAT BAYREUTH
Adresse
Universitätsstrasse 30
95447 Bayreuth
Allemagne

Type d'activité
Higher or Secondary Education Establishments

Contribution de l'UE
€ 520 205,20

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Participants (9)

BOLLINGER + GROHMANN CONSULTING GMBH
Adresse
Westhafenplatz 1
60327 Frankfurt Am Main
Allemagne

Type d'activité
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contribution de l'UE
€ 329 673,50

Site web
Contacter l'organisation
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