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Novel Business model generator for Energy Efficiency in construction and retrofitting

Fact Sheet

Project Information

NEWBEE

Grant agreement ID: 314326

[Project website](#) 

Project closed

Start date

1 October 2012

End date

30 September 2015

Funded under

Specific Programme "Cooperation": Nanosciences, Nanotechnologies, Materials and new Production Technologies

Total cost

€ 4 564 610,69

EU contribution

€ 3 350 000,00

Coordinated by

FUNDACION TECNALIA
RESEARCH & INNOVATION



Spain

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Preserving our cultural heritage

RESULTS PACK

Old meets green: New technologies to retrofit buildings in Europe

4 December 2015



Objective

The increasing cost of traditional energy sources and the availability of new emerging building technologies in lighting, heating, ventilation, air conditioning, isolation, energy monitoring and management of the buildings, are expected to increase the global market for low carbon solutions. However, some financial, organizational and social innovation enablers are required to leverage the transformation towards more sustainable building and cities. New green performance based business models should clearly be introduced for stepping up the adoption of new energy efficient solutions through the creation of cooperative and collaborative business networks, which will allow an early involvement of all relevant value chain stakeholders in the retrofitting optimization process, such as construction SMEs, ESCOs, building owners (private and local authorities), local administrations or financial institutions.

Overall aim:

- NewBEE project will develop the NewBEE system enabling SMEs to generate New performance based Business models for cost and Energy Efficient construction works with special incidence in retrofitting.
- NewBEE system will be composed of:
 - o NewBEE methodology: Methodology and working handbook
 - o NewBEE ICT platform: Set of ICT tools

Innovation:

The main innovation of NewBB comes from the seamless integration from the first

time, of all actors in the value chain of energy efficiency in construction industry (paying special attention to the retrofitting works where most of the savings in energy efficiency can be achieved) by the use of a new working methodology fitted to the new paradigm efficiently supported by an ICT set of tools.

Another important innovative issue is the creation of a system which benefit from the previous knowledge in order to enabling SMEs to find an easy way of generating new business opportunities and also provide them the means to develop them.

Fields of science (EuroSciVoc)

[engineering and technology](#) > [environmental engineering](#) > [energy and fuels](#) > **[renewable energy](#)**

[social sciences](#) > [economics and business](#) > [business and management](#) > **[business models](#)**

[engineering and technology](#) > [civil engineering](#) > [architecture engineering](#) > [sustainable architecture](#) > **[sustainable building](#)**



Programme(s)

[FP7-NMP - Specific Programme "Cooperation": Nanosciences, Nanotechnologies, Materials and new Production Technologies](#)

Topic(s)

[EeB.NMP.2012-3 - Development and validation of new 'processes and business models' for the next generation of performance based energy-efficient buildings integrating new services](#)

Call for proposal

FP7-2012-NMP-ENV-ENERGY-ICT-EeB

[See other projects for this call](#)

Funding Scheme

[CP-TP - Collaborative Project targeted to a special group \(such as SMEs\).](#)

Coordinator



FUNDACION TECNALIA RESEARCH & INNOVATION

EU contribution

€ 422 764,41

Total cost

No data

Address

PARQUE CIENTIFICO Y TECNOLOGICO DE BIZKAIA, ASTONDO BIDEA, EDIFICIO 700
48160 DERIO BIZKAIA

 Spain 

Region

Noreste > País Vasco > Gipuzkoa

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Participants (17)



TEKNOLOGIAN TUTKIMUSKESKUS VTT 

 Finland

EU contribution

No data

Address

TEKNIIKANTIE 4 A
02044 VTT ESPOO 

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG EV

 Germany

EU contribution

€ 387 684,81

Address

HANSASTRASSE 27C

80686 Munchen 

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



INSTITUT FÜR ANGEWANDTE SYSTEMTECHNIK BREMEN GMBH

 Germany

EU contribution

€ 260 316,38

Address

WIENER STRASSE 1

28359 Bremen 

Region

Bremen > Bremen > Bremen, Kreisfreie Stadt

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost
No data



TEKNOLOGIAN TUTKIMUSKESKUS VTT OY

Finland

EU contribution
€ 408 314,00

Address
**TEKNIIKANTIE 21
02150 Espoo**

Region
Manner-Suomi > Helsinki-Uusimaa > Helsinki-Uusimaa

Activity type
Research Organisations

Links
[Contact the organisation](#) [Website](#)
[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost
No data



ACCIONA CONSTRUCCION SA

Spain

EU contribution
€ 197 040,00

Address
**CALLE MESENA 80
28033 MADRID**

Region
Comunidad de Madrid > Comunidad de Madrid > Madrid

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

Links

- [Contact the organisation](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



TECPROPASA EUSKADI SA

Spain

EU contribution

€ 185 400,00

Address

PASEO DE LOS OLMOS PLANTA 14 - 5A
20016 DONOSTIA - SAN SEBASTIAN

Activity type

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

Links

- [Contact the organisation](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

No data



ESLABAN OBRAS Y SERVICIOS

Spain

EU contribution

€ 128 880,00

Address

AVENIDA OTAOLA ESCALERA DERECHA 3 IZQUIERDA 27
20600 EIBAR GUIPUZCOA

Activity type

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

Links

- [Contact the organisation](#)
- [Website](#)

[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost
No data



CONCLUDE GMBH

Germany
EU contribution
€ 116 016,00

Address
**KARLSTRASSE 88
40210 DUSSELDORF**

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

Links
[Contact the organisation](#) [Website](#)
[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost
No data



IFA BAU CONSULT GMBH

Germany
EU contribution
€ 155 400,00

Address
**INDUSTRIESTRASSE 2
70565 STUTTGART**

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

Links
[Contact the organisation](#) [Website](#)
[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost

No data



FINNENERGIA OY

 Finland

EU contribution

€ 184 128,00

Address

SNELLMANINKATU 38

70100 Kuopio 

Region

Manner-Suomi > Pohjois- ja Itä-Suomi > Pohjois-Savo

Activity type

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

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



KVA ARKKITEHDIT OY

 Finland

EU contribution

€ 158 400,00

Address

LAUTTASAARENMAKI 4

00200 HELSINKI 

Activity type

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

Links

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[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



TENGBOM ERIKSSON ARKKITEHDIT OY

Finland

EU contribution

€ 121 616,40

Address

MERITULLINKATU 11 C
00170 HELSINKI

Activity type

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

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



SLOVENSKI GRADBENI GROZD, GOSPODARSKO INTERESNO ZDRUZENJE

Slovenia

EU contribution

€ 159 420,00

Address

VASE 41A
1215 Medvode

Region

Slovenija > Zahodna Slovenija > Osrednjeslovenska

Activity type

Other

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



GRADBENI INSTITUT ZRMK DOO

Slovenia

EU contribution

€ 106 520,00

Address

DIMICEVA ULICA 12
1000 Ljubljana

Region

Slovenija > Zahodna Slovenija > Osrednjeslovenska

Activity type

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

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



ACROSSLIMITS LTD

Malta

EU contribution

€ 92 800,00

Address

TOWER BUSINESS CENTRE 2ND FL TOWER STREET SWATAR
BKR 4013 Birkirkara

Region

Malta > Malta > Malta

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost
No data



UNIVERSITA DEGLI STUDI DI PADOVA

Italy
EU contribution
€ 113 400,00

Address
**VIA 8 FEBBRAIO 2
35122 Padova**

Region
Nord-Est > Veneto > Padova

Activity type
Higher or Secondary Education Establishments

Links
[Contact the organisation](#) [Website](#)
[Participation in EU R&I programmes](#)
[HORIZON collaboration network](#)

Total cost
No data



RAHM PROJEKTMANAGEMENT SCHLUSSELFERTIGBAU GMBH

Germany
EU contribution
€ 151 900,00

Address
**THEODOR VOIEL STRASSE 93
70374 STUTTGART**

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

Links
[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data

Last update: 2 August 2019

Permalink: <https://cordis.europa.eu/project/id/314326>

European Union, 2025