



EUROPEAN DEMAND SIDE NETWORK

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WELCOME

This e-booklet provides an overview of Climate-KIC, BTA Programme Objectives, Knight Frank Energy services and what the European Demand Side Network Competition Events provide.



**1. HSB Living Lab
Chalmers University
of Technology**
Sweden

2. Concept House Village Rotterdam
The Netherlands

**3. The Green Village,
Delft University of Technology**
The Netherlands

**4. House of Natural Resources
ETH Zurich**
Switzerland

5. NEST EMPA
Switzerland

6. CIES Valencia Insitute of Building
Spain

CLIMATE-KIC

Climate-KIC (Climate Knowledge and Innovation Community) is part of the EIT (European Institute of Innovation & Technology). EIT is an EU body whose mission is to increase sustainable growth. Climate-KIC supports this mission by addressing climate change mitigation and adaptation.

Climate-KIC does this by maintaining a world class European network of partnerships made up of dynamic companies, the best academic institutions and the public sector. This forms creative partnerships with the purpose of developing economically viable innovations. Climate-KIC's core values include being a climate-challenge driven, impact oriented, dynamic community; nurturing young talent; crossing boundaries and achieving transformational creativity. These are embodied in the Climate-KIC mission: Creating opportunities for innovators to address climate change and shape the world's next economy. In order to achieve this mission Climate-KIC projects this brand position: Climate-KIC connects ideas, people and partners across Europe and creates innovative solutions to climate change. Climate-KIC has five Climate-KIC national centres in Paris, London, Zurich, Berlin and The Netherlands. Additionally, our centre in Brussels coordinates six regional implementation and innovation communities: Central Hungary, Lower Silesia (Poland), West Midlands (UK), Hessen (Germany), Emilia Romagna (Italy) and Valencian Region (Spain).



Climate-KIC is supported by the EIT,
a body of the European Union

To find out more about the EU's main climate innovative initiative **click here**

ABOUT BUILDING TECHNOLOGIES ACCELERATOR

Building Technologies Accelerator (**BTA**) is a Climate-KIC flagship programme within the strategic focus of urban transition. **BTA** aims to accelerate the implementation of low carbon technologies with significant CO₂ reduction by generating systemic change, creating impact throughout the construction value chain and overcoming market barriers.

BTA is an open ecosystem - connecting innovation enablers, suppliers, implementers, demanders and financial investors.

The BTA partners are leading research institutions **Chalmers University of Technology** in Sweden, **ETH & EMPA Zurich** in Switzerland, **Valencia Institute of Building** in Spain, and **Delft University of Technology** in the Netherlands and multinational real estate consultancy **Knight Frank** in the United Kingdom.

BTA Technologies

BTA develops sustainable building technologies around:

- ◆ Structural elements
- ◆ Façades
- ◆ Energy management systems
- ◆ Work environments

BTA Network

BTA is an open ecosystem, connecting:

- ◆ Innovation enablers
- ◆ Innovation suppliers
- ◆ Innovation implementers
- ◆ Innovation demand
- ◆ Financial investors

BTA is constantly growing and welcomes new members in each of these categories.

BTA Living Labs

BTA has a strong international **Living Lab** network of commercial and residential buildings with a unique value offer. These labs are set up as real homes and offices where research participants use new products and systems for a short or long period of time. The **BTA Living Labs** are equipped for co-creation, prototyping and qualified testing with user involvement and business planning. Bridging the gap between academia and industry, they prove the performance of innovations and minimize market risks.

The **BTA Living Labs** are located in important climatic zones: dry and Mediterranean, Scandinavian, mountainous and continental European.

There are six living labs in total; located in the Netherlands (**Concept House Village, The Green Village**), Sweden (**HSB Living Lab**), Switzerland (**House of Natural Resources, NEST**) and Spain (**CIES**).

To find out more about the BTA programme please **click here**

KNIGHT FRANK ENERGY

Knight Frank's award-winning Energy team brings together a wide range of specialist expertise from across the Rural, Residential and Commercial property sectors.

The team provides experienced consultancy, project management, valuation, investment and transactional advice covering every stage of the energy value chain in the UK and internationally. Our energy consultants work with a diverse group of clients including the generators, suppliers and users of both conventional and renewable energy, as well as policymakers, landlords, developers, investors and those affected by energy infrastructure.

What we do

Some of the key areas we cover are detailed below

- ◆ **Renewable energy:** Renewables have the potential to cut energy costs and reduce carbon emissions for both businesses and homeowners. But the sector can be controversial and difficult to navigate. It is driven by a complex mix of political, legislative, technical, planning and financial concerns. Our experts help find the solutions that are right for your land and property assets.
- ◆ **Reporting and efficiency:** Our benchmarking and reporting services allow our clients to compare the environmental performance of their properties against their peers and industry best practice, and allows them to make informed environmental investment decisions.
- ◆ **Regulatory compliance:** The commercial and residential property sectors are now covered

by a plethora of environmental regulation. We advise our clients on the most cost effective approach to compliance.

- ◆ **Transaction, valuation and investment advice:** There is a growing level of interest from investors in energy as an asset class. We provide impartial advice to those who want to buy, sell or lease existing energy projects or sites with future development potential. We can also offer RICS-accredited valuations for secured-lending and investment purposes.
- ◆ **Compensation:** Large-scale renewable and conventional energy projects, including the UK's fledgling shale-gas (fracking) industry, all require land for both their generating operations and supply infrastructure (pipelines and cables). If your property is affected we can ensure that you receive the right compensation.

To view a full A-Z directory of Knight Frank energy services please **click here**



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WHAT IS A DSN COMPETITION?

The DSN Competition is a 'Dragons Den' style event that matches innovative low-carbon building technologies with investors and adaptors, and is organised by global property consultancy firm Knight Frank together with the BTA.

DATES, LOCATION & VENUES

26th Oct 2015	12:30pm - 5:30pm	Rotterdam The Netherlands	Concept House Village , Heijplaat, Rotterdam, Netherlands
3rd Nov 2015	12:30pm - 5:30pm	Zurich Switzerland	EMPA Überlandstrasse 129 CH-8600 Dübendorf Zürich Switzerland
9th Nov 2015	12:30pm - 5:30pm	Gothenburg Sweden	OOTO (Out Of The Office) Sven Hultins Plats 1-2, 412 58 Gothenburg Sweden
1st Dec 2015	12:30pm - 5:30pm	Warsaw Poland	InterContinental Hotel Emilii Plater 49 00-125 Warsaw Poland

WHY JOIN?

- ◆ Be amongst the first to meet, judge and possibly adapt these market ready and low-carbon technologies.
- ◆ Discover the potential to reduce your property costs, energy usage and carbon emissions.
- ◆ Expand your sustainability activities and strengthen the corporate social responsibility profile of your company.

These events offer hassle-free access to the latest cost-saving and energy reducing technologies, hence:

- ◆ There is no cost for participation.
- ◆ The only time commitment is for you to be present on the afternoon of the winning 'Innovator' presentations, and to provide some very brief pre-competition input (regarding your innovation areas of interest).



ABOUT THE TECHNOLOGIES

The areas of technological focus will cover:

- ◆ Building façades & envelopes
- ◆ Energy storage
- ◆ Lighting

You will be consulted regarding your areas of interest before the competition call. We would value your views and experience and would be delighted to welcome your participating for this event.

KEY BUYERS

Rotterdam

The Netherlands

- ◆ NL Real Estate
- ◆ SEB
- ◆ Delf University of Technology
- ◆ Sustainable Development Capital
- ◆ Bouygues

Zurich

Switzerland

- ◆ ETH Zurich
- ◆ Credit Suisse
- ◆ EMPA
- ◆ Kingspan
- ◆ Peakside Capital
- ◆ Partner Real Estate
- ◆ Bouygues

Gothenburg

Sweden

- ◆ Chalmers University of Technology
- ◆ Skanska
- ◆ Eklandia
- ◆ DEKA
- ◆ Invesco

Warsaw

Poland

- ◆ Skanska
- ◆ DEKA
- ◆ Invesco
- ◆ SEB
- ◆ Kingspan
- ◆ Standard Life
- ◆ KF Poland

AGENDA ACROSS ALL EVENTS

12:30 - 12:45pm	Welcome & Introduction
12:45 - 13:15pm	Innovation Presentation #1
13:15 - 13:45pm	Innovation Presentation #2
13:45 - 14:15pm	Innovation Presentation #3
14:15 - 14:30pm	Refreshment Break
14:30 - 15:00pm	Innovation Presentation #4
15:00 - 15:30pm	Innovation Presentation #5
15:30 - 16:00pm	Innovation Presentation #6
16:00 - 16:30pm	BTA & Living Lab Presentation
16:30 - 17:00pm	Summary & Possible Living Lab Tour
17:00 - 18:00pm	Post event refreshments



Adaptive Solar Façade, copyright Marco Carocari / ETH Zurich