

DEMONSTRATION BUILDING



WHAT IS IT ?

A pilot and innovative demonstration project aims at being **identified as a best practice model** by landlords, occupiers, professional builders and decision-makers.

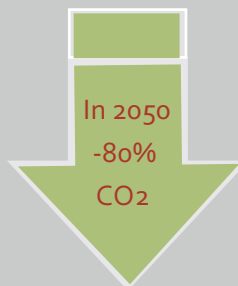
It is a hub of information and awareness-raising which will host stakeholders for training and knowledge-transfer. It is designed as a **living laboratory** where innovations can be trialled and monitored

The place aims at **inspiring** the local stakeholders, engaging them to move towards the development of eco-construction and energy efficiency fields.



BENCHMARKS

In order to achieve **80%** reduction of emissions in the EU by 2050, investment in clean and energy-efficient technologies have to be increased by 1.5% of GDP per year, or **270 billion euros**.



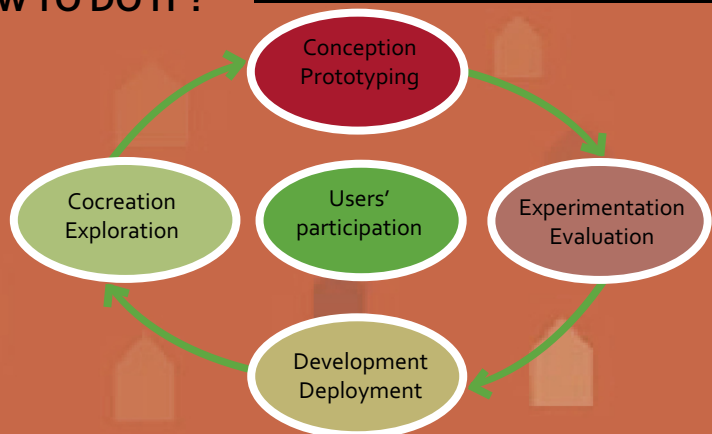
Roadmap of the European Union

This investment will be more than repaid, or even over-compensated through lower energy bills. Energy savings are estimated at between 175 and 320 billion euros on average per year by 2050.

HOW TO DO IT ?

To deploy these projects, an **approach by iteration** was chosen. It deals with a cycle of steps, repeated while specifying elements developed in each phase.

This approach is inspired by the AGILE method. It allows a **continuous improvement and adaptation** of the project to the stakeholders' expectations throughout its development.



CONNECTION WITH SHADOW ?

Under the SHADOW project, a demonstration project's main features are:

- to have the **highest energy efficiency**
- to present the **lowest environmental impact**
- be of **high architectural quality**
- be a **smart building**
- be a **positive energy building**
- be designed on the basis of **replicable and cost effective solutions**

This is all about pilot buildings - living platforms which host new technologies or social innovations. The **shared examples** on the achievements of the French and English teams will help improve the existing examples.



Showcasing: model, wall/roof cutaway, exhibition, animation...



PARTNERS' FEEDBACKS

CSBT, leading by example, gives advice and training in the **understanding and skills** needed to build a sustainable future. CSBT is also committed to designing and constructing buildings that fulfil this criteria. It is located at the Eden Project, a site dedicated to ecology.

Les 7 Vents supported multiple projects on environmental quality. The Ecosite of the Fleurion is a **witness to their expertise** which stages renewable energy and energy saving.

The two organisations share the ambition of creating new living laboratories from shared knowledge.



Eden Projet





Ecosite du Fleurion

FOR FURTHER INFO...

Feel free to send us your questions, comments, interests. Our organisations have links with experts, and can give you access to reference documents, advice and training.

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