



PASSIVHUS
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IED, the tool to strengthen the construction and design process

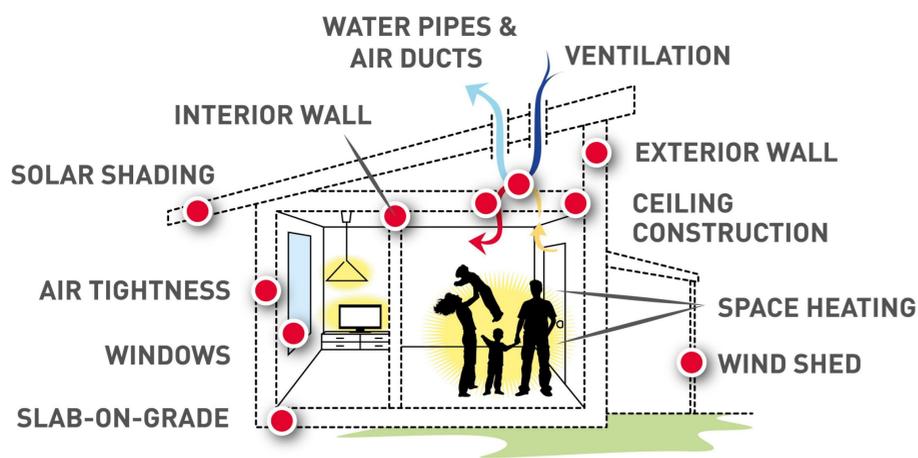
KanENERGI

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INTRODUCTION

Integrated Energy Design is a tool to reduce the complexity of the design process, ensuring the implementation of established criteria, identifying the advantages and disadvantages of alternative design concepts and allow policy makers make decisions based on facts.

Our goal in Sweden is to develop and market the Integrated Energy Design as a model of the construction process. Especially among large and medium-sized enterprises in the construction process in order to obtain cost and energy efficient construction in new buildings as well as when renovating old major buildings.



OBJECTIVES

The task of this project is dissemination of the IED concept by arranging a number of mini-seminars aiming at architects, developers and clients and others. During the mini-seminars, we will review what IED is and how it is used throughout the process.

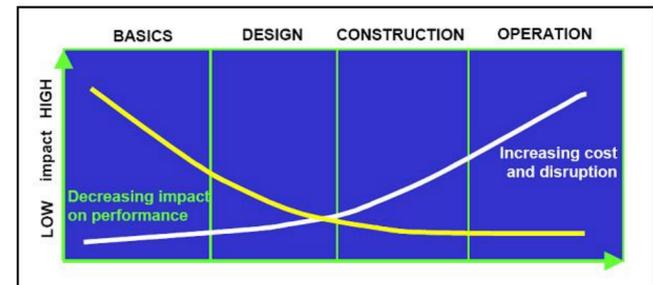
In addition, workshops will be organized with address to a specific construction project. The participants will mainly be linked to the project's working group consisting of architects, developers, planners physical client agent etc.

MAIN TASKS

- Adaption of common IED standard to national needs
- Adaption of common client brief and planning contract
- Elaboration of a national standard for an architecture competition for nearly zero energy and sustainable buildings
- Communication with multipliers and stakeholders
- Introduction of IED process and model documents to building developers, architects and engineers
- Pilot actions
- Targeted dissemination activities

RESULTS

Early phase: 80% of the impact for 20 % of the effort



Solidar, Berlin Germany

Pilot projects Lindholmen, Gothenburg, Sweden



In Sweden we follow two projects in Gothenburg which are planned and will be built by Skanska and Älvstranden Utveckling. Both projects are part of the area Lindholmshamnen that shall be developed with 350 to 500 apartments and 3,000 sqm to kindergarten, restaurant and meeting hall.

REFERENCES



Schneider Electric in Oslo. The property was designed and built with the IED as a method for achieving an energy efficient building. The result shows that energy consumption is 30 percent lower compared to a conventional building, at negligible additional cost.

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