



Active House Symposium Bruxelles, 24 March 2010

Challenges and Opportunities for the European building stock:

- *Buildings are responsible for over 40% of our use energy consumption and CO₂ emissions.*
- *We spend up to 90% of our time indoors but up to 30% of the building mass does not contribute to nor provide a healthy indoor climate.*
- *Renewable energies sources play a major role in buildings' energy consumption*
- *Plenty of daylight and fresh air in our buildings is crucial for the benefit of our health and well-being.*

In order to strengthen the development of better buildings we need to focus on both the energy performance of the building and the indoor climate and health, as well as the local conditions and environment.

Active House is an innovative vision for the future of buildings. Active House contends that it is possible to improve the energy performance of our buildings while simultaneously providing a healthy and comfortable indoor climate and high architectural quality.

To promote Active Houses we must look at how we design our buildings, how we utilize and develop technologies and products, and how research and legislation reflects energy and indoor climate considerations.

Find out more and join the discussions at the Active House symposium.

**The symposium takes place on
Wednesday 24 March 2010 13.00-18.30
during the European Sustainable Energy Week**

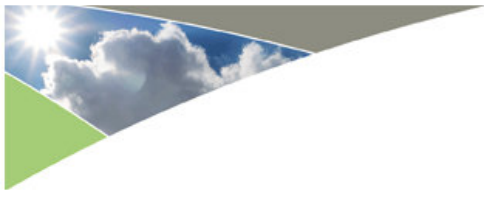
The venue is located close to Charlemagne.

Participating is free of charge and by invitation only.

Please contact kee@vkr-holding.com for information and invitation

ENERGY + INDOOR CLIMATE + ENVIRONMENT

Active Houses respond to environmental and climatic changes through a holistic approach. With central focus on the health and comfort of occupiers, Active Houses are designed and constructed to achieve a balance between the three parameters.



Program

- 13.00 **Registration**
Light lunch with beverages will be served in the registration and poster area.
- 14.00 **Welcome**
A short introduction to the agenda and program.
Event moderato, Jacki Davis, Meade Davis Communications
- 14.10 **Keynote: Energy in buildings**
Buildings are responsible for over 40% of our energy consumption and CO₂ emissions. Reduced energy consumption and renewable energy sources are the keys to reducing CO₂ emissions from buildings. The presentation will give a status and perspectives.
President, Christian Cardonnel, ENERPLAN Association for Solar Energy (France)
- 14.30 **Keynote: Understanding the indoor environment: Putting people first**
How to achieve a healthy indoor environment has been an issue among architects, engineers and scientists for centuries. The realization that the indoor environment is more than the sum of its parts, and that its assessment has to start from human beings rather than benchmarks, has only been gaining ground in recent years. The presentation will give a status and perspectives.
Dr. Ir. Philomena Bluyssen, TNO Built Environment and Geosciences (Netherlands)
- 14.50 **Design Process**
Some of the most important decisions on energy savings and indoor climate are taken in the very early design stages. The presentation focuses on exploiting synergies in the process of design and new design strategies. Examples on state of the art will be given and it will discuss what we can do today and what is needed in the future to improve the design process.
Architect, Partner, David H Cook, Benisch Architecten (United Kingdom)
- 15.15 **Technology and Product Development**
Energy and indoor climate performance in buildings can be improved today with smart utilization of existing technology and products. However, there is a need for a holistic focus on integrated product development of new techniques and solutions. The presentation will focus on potentials in integration of different competences / organizations for the products of the future.
Director of Business Development, M.Sc. Ing. Henrik Sørensen, Esbensen Consultants (Denmark)
- 15.40 **Performance and Endorsement**
Energy and indoor climate solutions in buildings influence each other's performance. Research and legislation should consider and take into account the total performance of buildings - energy and indoor climate – towards a more holistic view of building performance. The presentation will focus on the knowledge of today and give recommendation for the future.
Speaker TBC
- 16.05 **Panel debate**
Panel debate between the speakers and questions from the floor.
- 17.05 **Summary and going forward with Active House**
Summary and final words from representative from the Active House network
- 17.15 **Poster presentation with networking and cocktail**
Networking and cocktails with posters showing state of the art within research and examples on buildings with a holistic approach to energy and indoor climate performance including single family houses, row houses, multi-storey buildings, offices and schools – new build and renovation.
- 18.30

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