

activehouse.INFO  
NETWORK AND KNOWLEDGE SHARING

# Active House

Edifici che producono più di quanto consumano

Presentato da:

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# Active House

## L'origine del progetto



### **Piano EU 2020**

- 20% Riduzione CO<sub>2</sub>
- 20% Energia rinnovabile
- 20% Efficienza energetica

### **Direttive sulle prestazioni energetiche degli edifici (2010)**

- Edifici a energia quasi zero (NZEB)
- Piani nazionali di attuazione

### **Applicazioni a livello nazionale (2011=>)**

- Interpretazione della normativa NZEB
- Metodologia di sviluppo
- Aggiornamento legislativo e dei requisiti edilizi

# Active House

## La situazione attuale



### 40% dell'energia mondiale

- viene utilizzata per il riscaldamento e il raffrescamento degli edifici
- il 90% del patrimonio edilizio attuale sarà ancora in uso nel 2050

### Trascurriamo il 90% del nostro tempo

- all'interno di edifici,
- almeno il 30% degli edifici non offre un clima interno sano

### Le sfide climatiche si giocano a livello globale

- le risorse sono limitate
- i rifiuti aumentano

**E' ora di agire!**

Le tecnologie già esistenti possono fare la differenza!

# Active House: la visione

## Edifici che producono più di quanto consumano



### Comfort

- *Crea condizioni abitative migliori*



### Energia

- *Permette agli edifici di ottenere un bilancio energetico positivo*

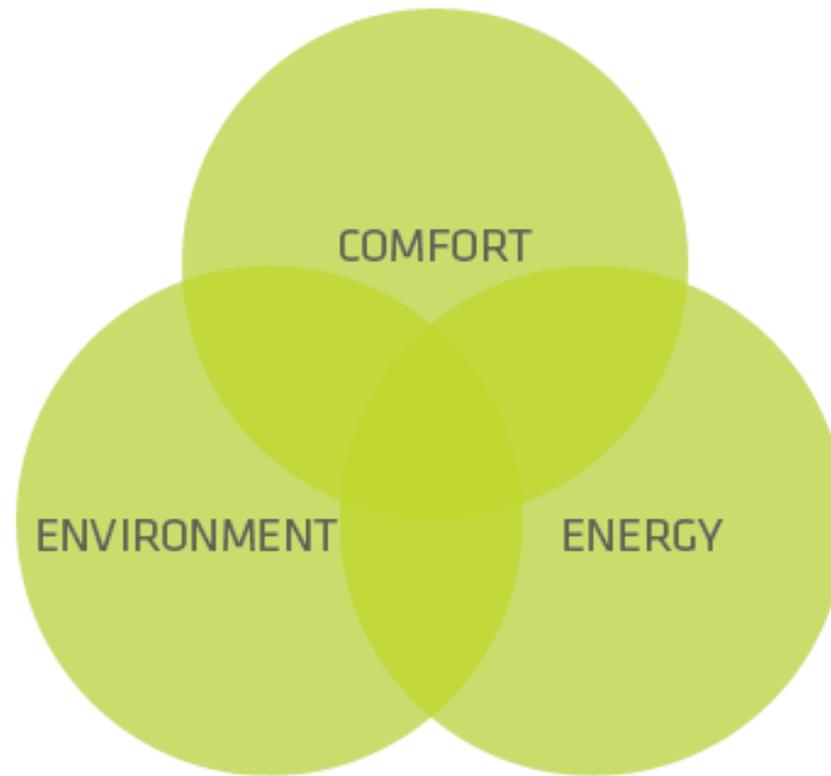


### Ambiente

- *Ha un impatto positivo sull'ambiente*

# Active House: la visione

Edifici che producono più di quanto consumano



L'idea su cui si basa il concetto di Active House è quella di realizzare edifici che permettono una vita sana e confortevole a chi li abita, senza impattare in modo negativo sul clima.

# Active House Alliance

## Partner e target groups



# Active House: approfondimenti

## Edifici che producono più di quanto consumano

Criteri quantitativi

Classificazione: 1 (migliore) – 4 (accettabile)

Comfort

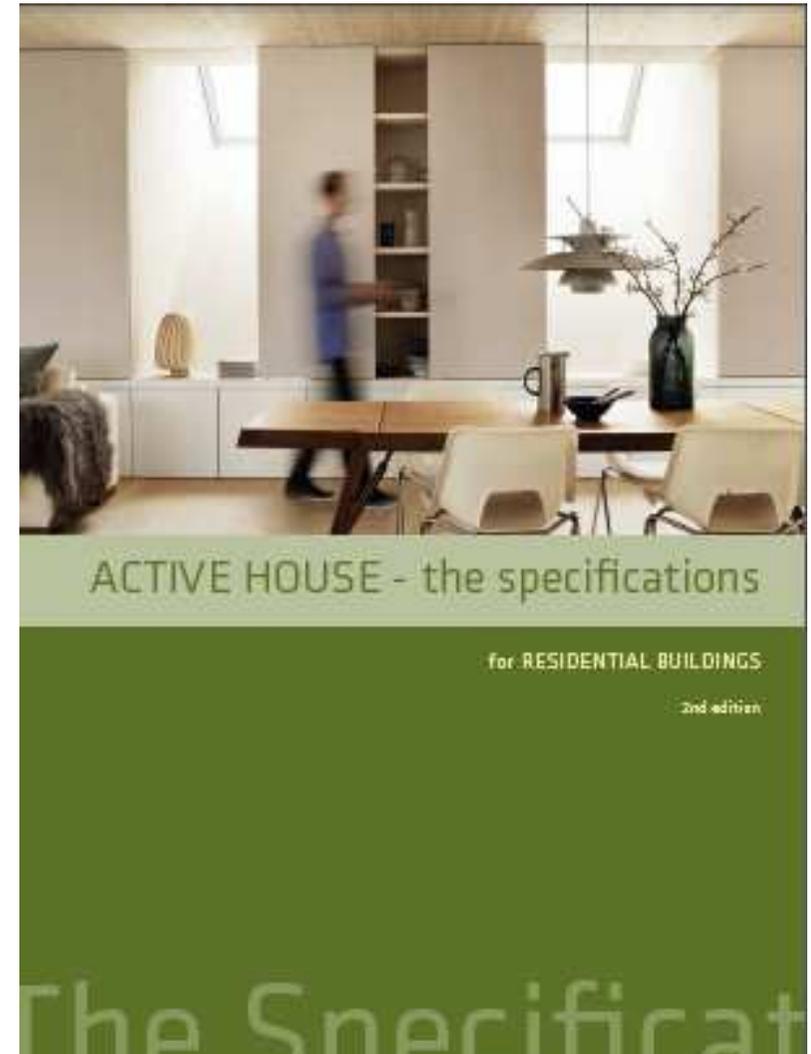
- Luce Naturale
- Temperatura degli ambienti
- Qualità dell'aria all'interno degli ambienti

Energia

- Consumo energetico
- Fornitura energetica
- Prestazione energetica

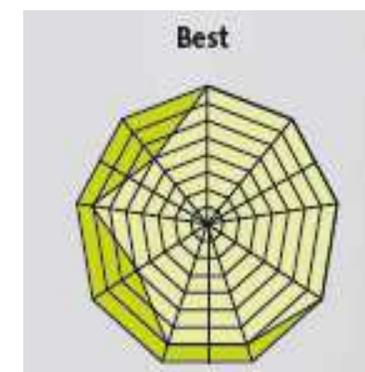
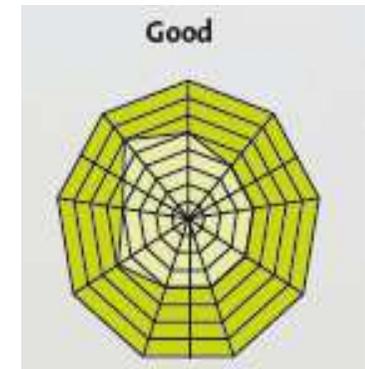
Ambiente

- Carico ambientale
- Consumo di acqua
- Edilizia sostenibile



# Active House: approfondimenti

Prestazioni nel diagramma radar



# Active House Alliance

## Progetti in evidenza sulla homepage del sito



COMPLETION: 13 DECEMBER 2010  
**BOTTICELLI PROJECT - CASA ECO PASSIVHAUS**  
MASCALUCA - CT - SICILY, ITALY  
Botticelli Project intends to diffuse concept of Active House building which focus the Third Industrial Revolution (3I)



COMPLETION: APRIL 2009  
**HOME FOR LIFE**  
LITTRUP, DENMARK  
Home for Life is inspired by a traditional Danish 19th century of home has a relatively small surface with many p



COMPLETION: 2009  
**OSRAM CULTURE CENTRE**  
COPENHAGEN, DENMARK  
A very attractive energy and indoor climate renovation of a former industrial use as a cultural centre as part of a neighbourhood renewal project.



COMPLETION: AUGUST 2011  
**CARBONLIGHT HOMES**  
KETTICING, UNITED KINGDOM (GREAT BRITAIN)  
The CarbonLight Homes provide bright, healthy living & efficiency and a respect for the environment. This project understanding of sustainable living...



COMPLETION: UNDER CONSTRUCTION  
**HOTT | HOUSE OF TOMORROW**  
STERKSSEL, NB, NETHERLANDS  
HoTT is dutch's first building completely designed Bimbouwen and Active House. The layout is based residential program.



COMPLETION: OCTOBER 2009  
**SOLAR-ACTIVEHOUSE**  
KRAIG, AUSTRIA  
Energy used for heating/hot water - whether its from wood, coal, oil or natu literally been burned up. A solution is the solar-activehouse



COMPLETION: MARCH 2012  
**DE POORTERS VAN MONTFOORT**  
MONTFOORT, NETHERLANDS  
De Poorters of Montfoort are the first houses in the Net principles of Active House, using a sustainable renov VELUX Group and Danfoss...



COMPLETION: SEPTEMBER 2009  
**HOUSE OF THE FUTURE**  
REGENSBURG, GERMANY  
How will we live and heat our homes in the future? Regensburg, Germany impressively demonstrates it



COMPLETION: NOVEMBER 2010  
**SOLHUSET - DENMARK'S MOST CLIMATE FRIENDLY NURSERY**  
HÅRSHOLM, DENMARK  
Children in Hårsholm can now play in the most climate-friendly nursery in t



COMPLETION: JUNE 2012  
**ECO-ENERGY RETROFIT**  
BURNLEY, UNITED KINGDOM (GREAT BRITAIN)  
Retrofitting an 1890 solid wall terraced house within the Trias Energetics concept and Active House principles against a 1990 baseline



COMPLETION: SEPTEMBER 2011  
**ISOBO AKTIV - A HOUSE FOR TOMORROW**  
SANDNES, NORWAY  
Jedarius was among the first in Norway to develop this category, ISOBO, was established in 2003. The new active design...



COMPLETION: OCTOBER 2010  
**SUNLIGHT HOUSE**  
RESEDAUM, VIENNA, AUSTRIA  
Sunlight House is Austria's first carbon-neutral single-family house. Nestle mountainous region, the home's sloping roof and architectural elements it advantage of the sun to...



COMPLETION: NOVEMBER 2009  
**ENERGYFLEXHOUSE**  
TÅSTRUP, COPENHAGEN, DENMARK  
EnergyFlexHouse is two one's family houses, each of 1 a rest building, and the other living is a one family in



COMPLETION: NOVEMBER 2010  
**LICHTAKTIV HAUS**  
HAMBURG, GERMANY  
LichtAktiv Haus is an energy-efficient renovation of



COMPLETION: SEPTEMBER 2011  
**THE FIRST ACTIVE HOUSE IN RUSSIA**  
MOSCOW, RUSSIAN FEDERATION  
The First Active House in Russia is designed to set a new standard for rest construction in Russia. The house design is based on the Active House p



COMPLETION: 15.10.2013  
**GREAT GULF ACTIVE HOUSE**  
THOROLD, ONTARIO, CANADA  
Great Gulf Active House was achieved through a collaboration architects, the award-winning Toronto architecture firm committed to...



COMPLETION: 2010  
**LUMINA HOUSE**  
DŁUGOSZKA, POLAND  
Lumina House is an energy efficient, ecological so comfortable, intelligent, optimal and affordable new



COMPLETION: DECEMBER 2012  
**TRANSFORMATION POORTERS VAN MONTFOORT**  
MONTFOORT, NETHERLANDS  
- DE POORTERS VAN MONTFOORT - Light is an experience, air is the future makes living possible



COMPLETION: 2009  
**GREEN LIGHTHOUSE**  
COPENHAGEN, DENMARK  
Green Lighthouse is Denmark's first public CO2 neutral than a year in a close public/private partnership.



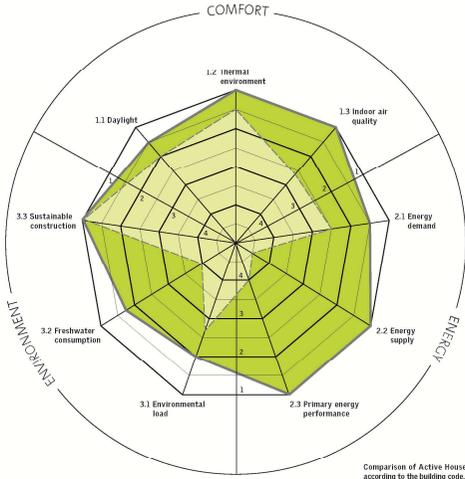
COMPLETION: APRIL 2012  
**NATURFREUNDEHAUS KNOFELE**  
SCHNIESSBRG/KNOFELSBEN 4-2852 HIRSCHWANG, AUSTRIA  
The old hut burned down in April. New building shc friendly than the old one and more user-friendly for t



COMPLETION: 2011  
**VELUXLAB**  
MILAN, ITALY  
VELUXLab is the first Italian nearly zero energy building in a University Campus in Bovisio Campus of Politecnico di Milan and it is a new laboratory for rest

# Active House

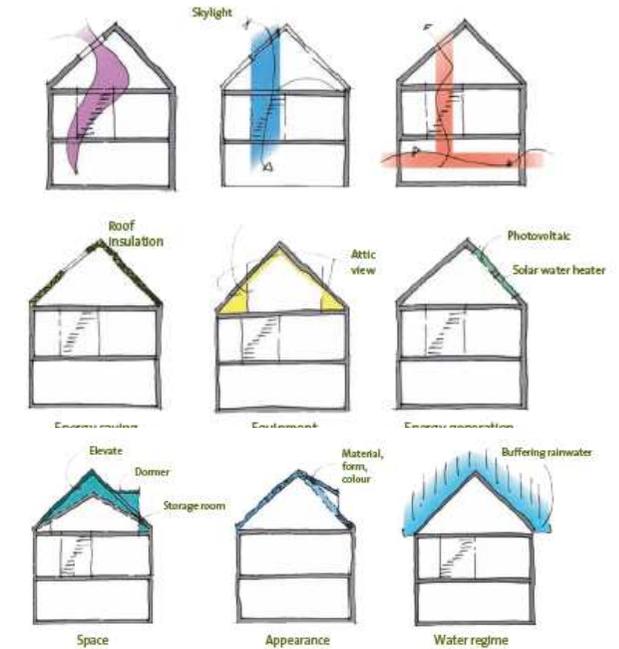
## Great Gulf Active House, Canada



Comparison of Active House and standard house built according to the building code.  
 ■ Calculated performance of the Great Gulf Active House  
 ■ Standard house built according to the building code.

# Active House

## Ristrutturazione Montfoort, Olanda



The general Active House Rating is calculated based on the performance before and after the renovation.

■ Calculation performance after renovation  
□ Calculation performance before renovation

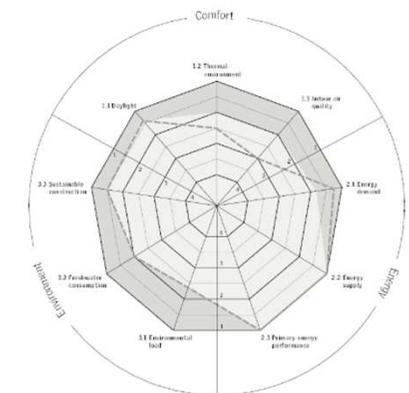
# Active House

## Sunlight House, Austria



"Every morning we enjoy the first rays of sunshine on our patio windows. We have four double and three single doors that almost drag the garden into the house."

Dorfstetter family, living in Sunlighthouse



# Active House

- ISOBO Active House, Norvegia





**ACTIVE HOUSE NEWSLETTER** 15:2013  
OCTOBER 2013

**UPCOMING EVENTS**

- Join us on October 28: Symposium Sustainable comfort in buildings in Budapest
- The field of the year's Active House symposium is the development of nearly zero-energy buildings and the long term political targets for sustainable buildings in Europe. The talks are divided into three sessions:
  - political targets and the human need for sustainable buildings with healthy comfort
  - an overview of the Hungarian experience and examples of good projects
  - a presentation of the Active House specifications and examples of international green architecture.
- The symposium will end with a plenary debate on sustainable buildings with focus on human well-being and comfort. Complete program: Participation fee: € 30,00. To register:

**October 24: Viteknar Multi-Comfort House in Belarus**

Hear from the architect, Alexander Kucheryav, about the thoughts and process behind the design of the house. The Multi-Comfort House in Belarus is an international project implemented by SAINT-GOBAIN, VELLUX Belarus. Supervisory Authority: Svetlana Prakhova House LLC, and designed by Belarusian architect Alexander Kucheryav. The house was opened for visitors on 23 May 2013. Find more information about the The Multi-Comfort House in Belarus here. Date and time: 24 October from 15:00 - 16:00 CET. Send us an e-mail at [secretariat@activehouse.info](mailto:secretariat@activehouse.info) if you wish to follow the webinar.

**Nordic Passiv House conference**

The Active House Alliance participates at the sixth **Passivhaus** Nordic conference where Nordic and European experts will meet, present and discuss the latest developments, future possibilities and barriers to overcome within low energy buildings. The conference will take place from October 15-17 and include a presentation by Carsten Heidegaard Petersen on the Active House vision for buildings.

**NEWS**

**Active House open in Canada**

The Great Gulf Active House in Canada opens on October 10. Hans Bohr Abraham, the Danish ambassador to Canada will be the guest of honor at the official opening. Follow the building through [LDE updates](http://LDE updates). If you wish to attend RSVP to [activehouse@canada.info](mailto:activehouse@canada.info)

**Active House Alliance nominated in Denmark**

The national Danish radio and the newspaper "Information" launched a national project with the purpose of sharing knowledge about sustainable projects which are initiated by citizens, businesses and organizations. More than 400 projects were presented. The Active House Alliance made it to the final round as one of 27 projects.

**CESBA**

**CESBA** is on the one hand a methodology to assess existing and new buildings and on the other hand a framework of EU projects to reach higher energy efficiency by a common process. Active House will participate in the next workshop to be organized in October in the 27 EU member states.

**Sustainable Buildings: an EU Commission initiative**

The European Commission wants to gather views and additional information on the possible introduction of EU-wide measures to achieve better environmental performance of buildings. The Active House Alliance has given comments, input and additional information to the European Commission.

**Bony summer**

During the summer, the Active House Alliance gave presentations and organized side events at several European conferences on sustainable buildings. Among others: CUBA2013 and SCS3 both organized in Prague. The Building Cooling conference in Athens, as well as being present at ELBA in Munich.

# Active House

- [www.activehouse.info](http://www.activehouse.info)

SCARICA  
IL MANUALE

CREA IL TUO RADAR

ISCRIVITI ALLA  
NEWSLETTER



**Grazie per l'attenzione!**

Vuoi far parte dell'Alleanza e seguirne gli sviluppi?  
[www.activehouse.info](http://www.activehouse.info)

Contatta la segreteria:  
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