




**activehouse**.INFO  
NETWORK AND KNOWLEDGE SHARING

# Active House

Edifici che producono più di quanto consumano

Presentato da:  
Mikkel Skott Olsen,  
Chairman of the Board, Active House Alliance

Contacts:  
Kurt Emil Eriksen,  
General Secretary, Active House Alliance  
*Mail: [kurt.emil.eriksen@Activehouse.info](mailto:kurt.emil.eriksen@Activehouse.info)*



# 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

### Trascuriamo 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: approfondimenti

## Edifici che producono più di quanto consumano

Criteri quantitativi

Classificazione: 1 (migliore) – 4 (accettabile)

Comfort

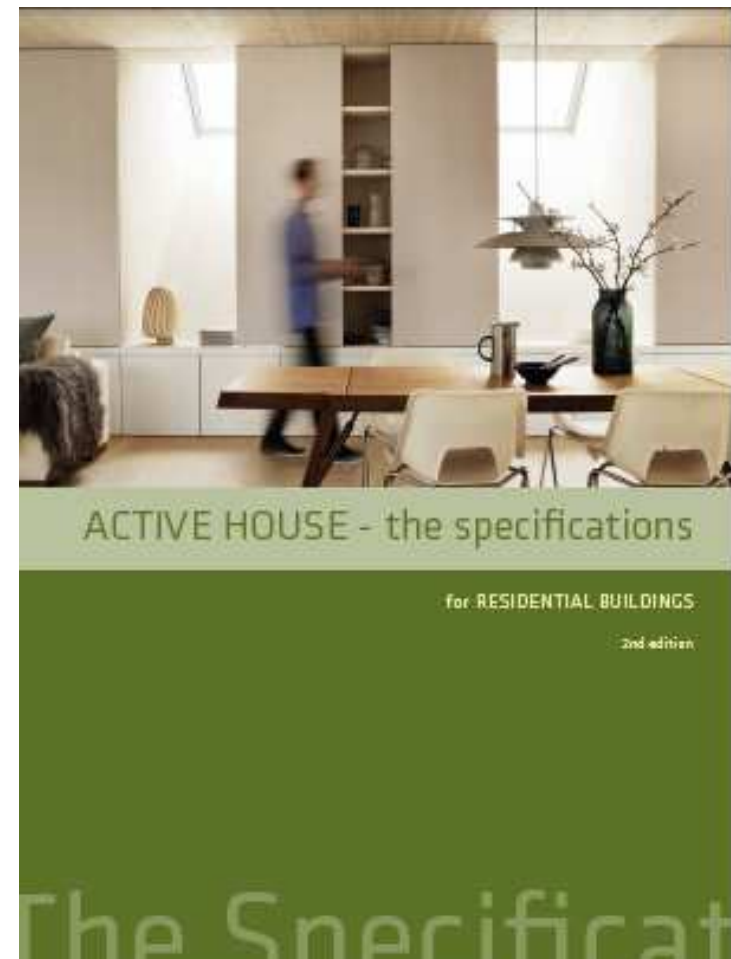
- Luce Naturale
- Temperatura degli ambienti
- Qualità dell'aria all'interno degli ambienti

Energia

- Consumo energetico
- Fornitura energetica
- Prestazione energetica

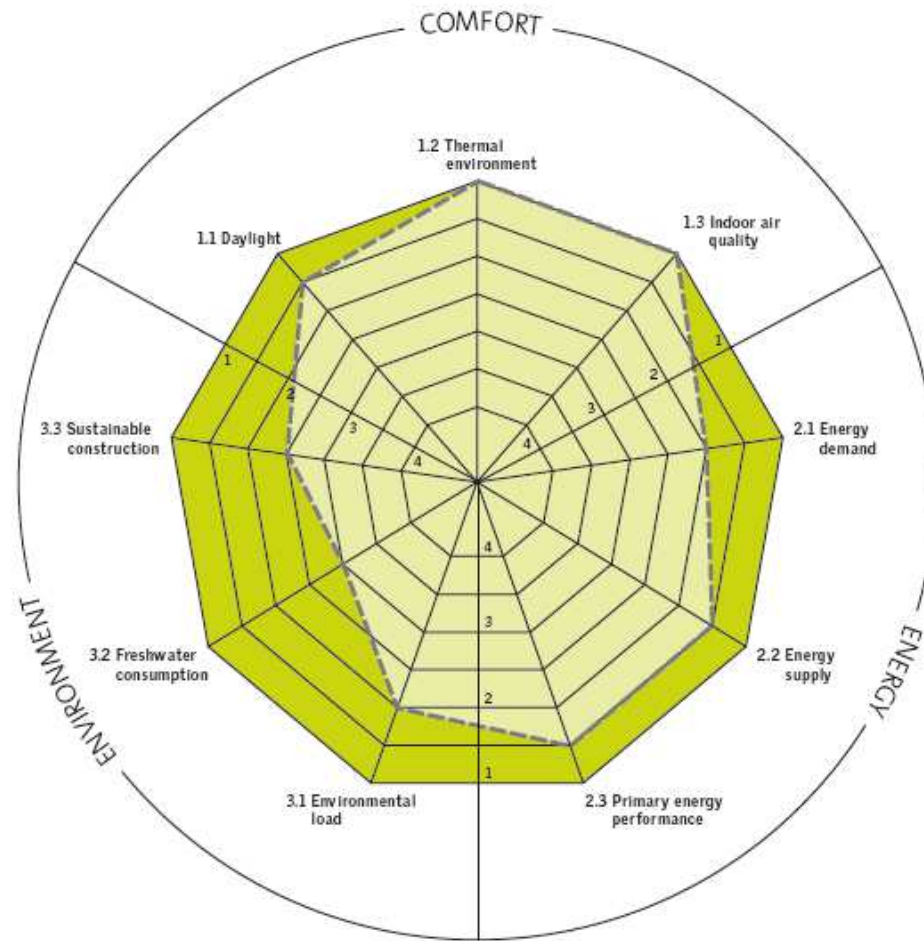
Ambiente

- Carico ambientale
- Consumo di acqua
- Edilizia sostenibile



# Active House: approfondimenti

## Prestazioni nel diagramma radar



# Active House: approfondimenti

## Manuale sui dettagli tecnici

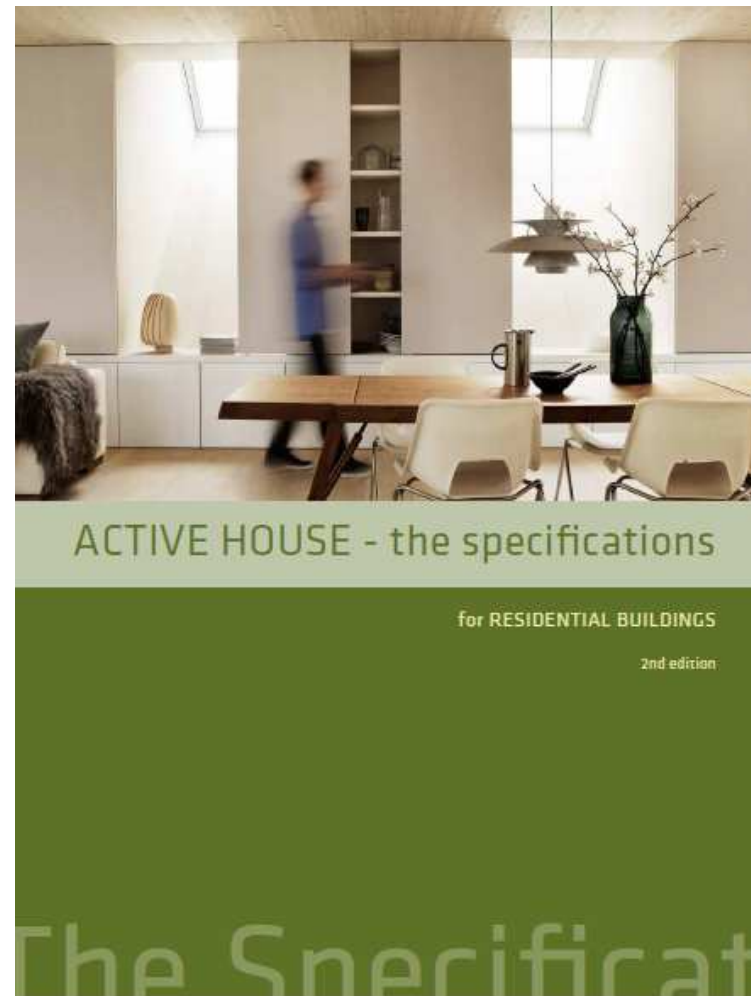
La seconda edizione del manuale può essere scaricato dalla homepage del sito Active House:

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

Sono disponibili alcune copie.

Iscriviti alla newsletter:

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





# Active House Alliance

## Progetti in evidenza sulla homepage del sito



COMPLETION: 13 DECEMBER 2012  
**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**  
LISTRUP, DENMARK  
Home for Life is inspired by a traditional Danish 1 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**  
NETHERLANDS, 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**  
STRANDEEL, NB, NETHERLANDS  
HOTT is dutch's first building completely designed Bimbouw and Active House. The layout is based residential program.



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



COMPLETION: MARCH 2012  
**DE POORTERS VAN MONTFOORT**  
MONTFOORT, NETHERLANDS  
De Poorters van Montfoort are the first houses in the Netherlands to be built according to the principles of Active House, using a sustainable renovation 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**  
HORSHOLM, DENMARK  
Children in Hershholm can now play in the most climate-friendly nursery in Denmark



COMPLETION: JUNE 2012  
**ECO-ENERGY RETROFIT**  
SALFORD, UNITED KINGDOM (GREAT BRITAIN)  
Retrofitting an 1896 solid wall terraced house within the Trias Energetica concept and Active House principles against a 1990 baseline



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



COMPLETION: OCTOBER 2010  
**SUNLIGHTHOUSE**  
PRESSEBAUM, WEST AUSTRIA  
Sunlighthouse is Austria's first carbon-neutral single-family house. Nestle mountainous region, the home's sloping roof and architectural elements take advantage of the sun to...



COMPLETION: NOVEMBER 2009  
**ENERGYFLEXHOUSE**  
LISTRUP, COPENHAGEN, DENMARK  
EnergyFlexHouse is two one's family houses, each of 2 a test building, and the other building is a one family house



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 residential construction in Russia. The house design is based on the Active House principles



COMPLETION: 18.10.2013  
**GREAT GULF ACTIVE HOUSE**  
THOROLD, ONTARIO, CANADA  
Great Gulf Active House was achieved through a collaboration of architects, the award-winning Toronto architecture firm committed to...



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



COMPLETION: OCTOBER 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 building, achieved a year in a close public/private partnership.



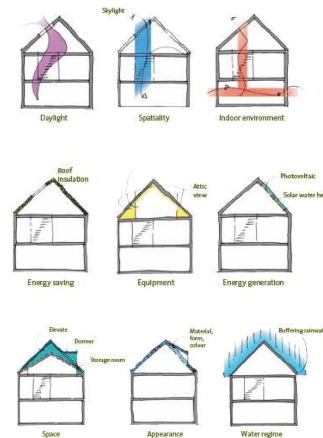
COMPLETION: APRIL 2012  
**NATURFREUNDEHAUS KNOFELE**  
SCHNIESSBERG/KNOFELSBACH A-2552 HIRSCHWANG, AUSTRIA  
The old hut burned down in April. New building significantly more energy friendly than the old one and more user-friendly for



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

# Active House

## Ristrutturazione Montfoort



### Project description

Building name:	De Poorters van Montfoort
Building type:	10 terraced single-family homes
Location:	Montfoort, the Netherlands
Active House evaluation basis:	Renovation
No. of storeys and areas:	3 floors
Heated floor area:	Gross m <sup>2</sup> 131 m <sup>2</sup> Net m <sup>2</sup> 122 m <sup>2</sup>
Primary constructions:	Internal and external walls of bricks. Bearing interior walls of concrete. Concrete slabs.
Primary heating supply:	Electricity
Heating system:	Water-water heat pump supplemented by thermal solar collectors
Renewable energy:	Thermal solar collectors and heat pump for hot water supply and room heating. PV for electricity generation.





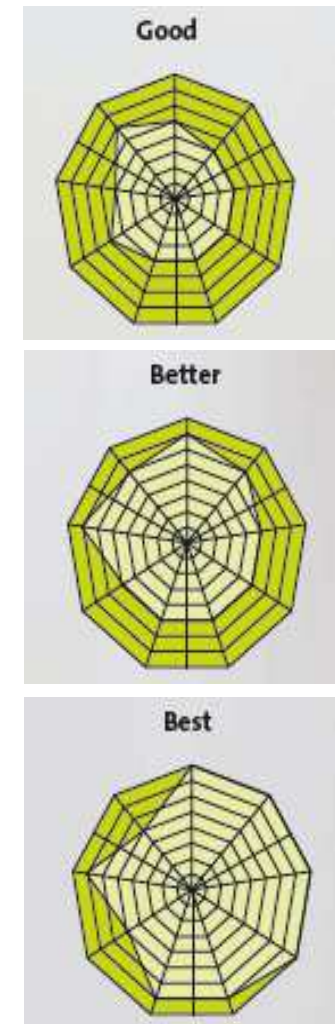
# Active House

## Ristrutturazione Montfoort



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

- Calculation performance after renovation
- Calculation performance before renovation





# Active House

www.activehouse.info

## ISCRIVITI ALLA NEWSLETTER

### NEWS & KNOWLEDGE

16. OCTOBER 2013  
**ACTIVE HOUSE COMES TO CANADA**  
NEWS | TIFFANY FUHLER  
October 16: Opening of the Great Gulf Active House in Canada. It is built in Thorold, Ontario, a community located near the Niagara Region and roughly 90 minutes west from Toronto. This

15. OCTOBER 2013  
**FREE WEBINAR OCTOBER 24: MULTI-COMFORT HOUSE IN BELARUS**  
NEWS | TIFFANY FUHLER  
Hear from the architect, Alexander Kucheravy, about his thoughts and process behind the design of the house. The Multi-Comfort House in Belarus is an international project implemented by SAINT-GOBAIN...

9. OCTOBER 2013  
**REHVA JOURNAL**  
NEWS | TIFFANY FUHLER  
REHVA Journal is a technical, practical journal for the HVAC industry professionals. It is read by Designers, Consultants, Manufacturers, Investors, Mechanical Contractors, Sales and Representative...

9. OCTOBER 2013  
**NORDIC PASSIV HOUSE CONFERENCE OCTOBER 15-17 IN GÖTEBORG**  
NEWS | TIFFANY FUHLER  
For the 8th time Nordic and European experts will present and discuss the latest developments, future possibilities and barriers to overcome within low energy buildings. This year the Nordic platform...

30. SEPTEMBER 2013  
**ENGLISH SYMPOSIUM IN BUDAPEST ON OCTOBER 30TH**  
NEWS | TIFFANY FUHLER  
PROGRAM has been updated and is now complete. REGISTER for € 39,00. The topic of the symposium is the development of Nearly Zero-Energy buildings and the long term political targets for...

### HIGH



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



COMPLETION: NOVEMBER 2010  
**SOLHUSET - DENMARK'S MOST CLIMATE FRIENDLY NURSERY**  
HORSHOLM, DENMARK



### NEWSLETTER

Subscribe to our newsletter and get the latest information on Active House

Subscribe

### FOLLOW US



### ACTIVE HOUSE NEWSLETTER

15:2013  
OCTOBER 2013



#### UPCOMING EVENTS

Join us on October 30: Symposium Sustainable comfort in buildings in Budapest! The topic of this 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 local 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: € 39,00. To register.

October 24: Webinar Multi-Comfort House in Belarus with the architect, Alexander Kucheravy, about his process behind the design of the house. The Multi-Comfort House in Belarus is an international project implemented by SAINT-GOBAIN, VELUX (Belarus), entry: Karkasnyy Dom (Modern Frame House LLC) and designed by Belarusian architect Alexander Kucheravy. 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 [gscontact@activehouse.info](mailto:gscontact@activehouse.info) if you wish to follow the webinar.

Nordic Passiv House conference  
The Active House Alliance participates at the sixth Passivus Norden 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 Østergaard Pedersen on the Active House vision for buildings.

NEWS  
**Active House open in Canada**  
The Great Gulf Active House in Canada opens on October 16. Niels Bohr Abramson, the Danish ambassador to Canada will be the guest of honor at this official opening. Follow the building through LIVE updates. If you wish to attend RSVP to [activehouse@aretequif.com](mailto:activehouse@aretequif.com).

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 organisations. 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 convergences by a common process. Active House will participate in the next workshop to be organized in October on the 21-23 in Austria.

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.

Busy summer  
During the summer, the Active House Alliance gave presentations and organized side events at several European conferences on sustainable buildings. Among others: CLIMA2013 and SB13 both organized in Prague, The Ventilative Cooling conference in Athens, as well as being present at PLEA in Munich.





**Grazie per l'attenzione!**

Vuoi far parte dell'Alleanza e seguirne gli sviluppi?

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

Contatta la segreteria:

[secretariat@activehouse.info](mailto:secretariat@activehouse.info)