



Active House

Edifici che producono più di quanto consumano

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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: approfondimenti

Edifici che producono più di quanto consumano

Criteri quantitativi

Classificazione: 1 (migliore) – 4 (accettabile)

Comfort

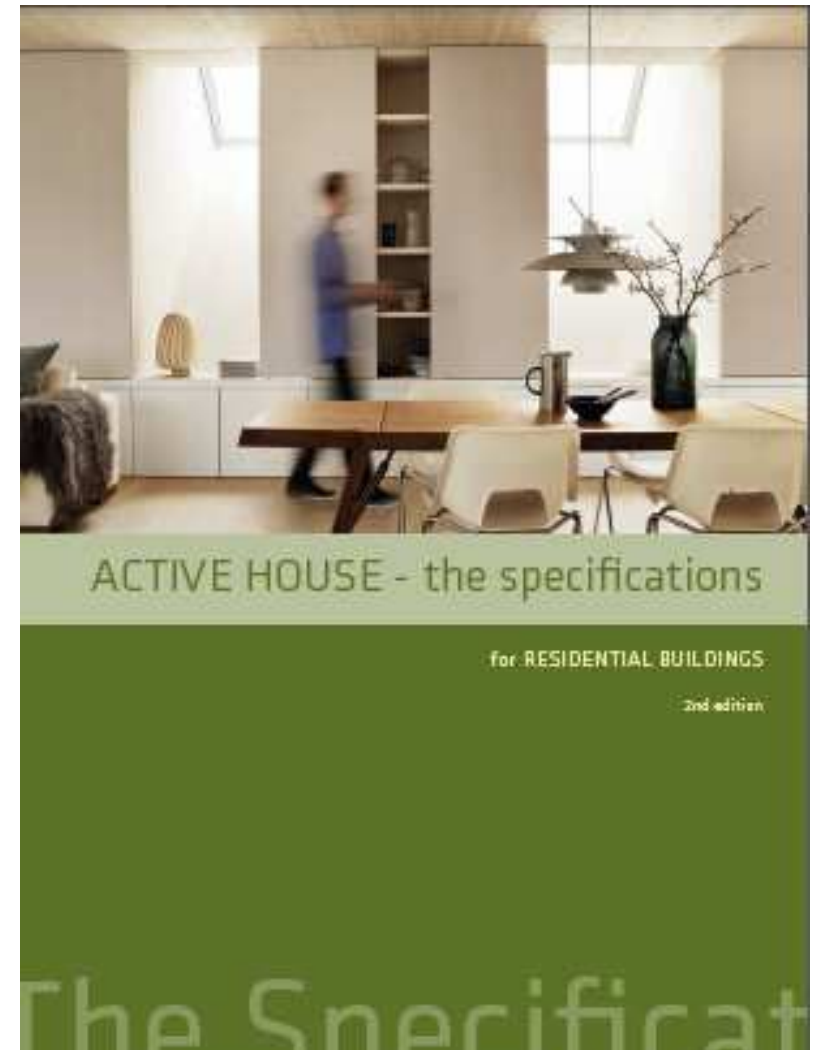
- Luce Naturale
- Temperatura degli ambienti
- Qualità dell'aria all'interno degli ambienti

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

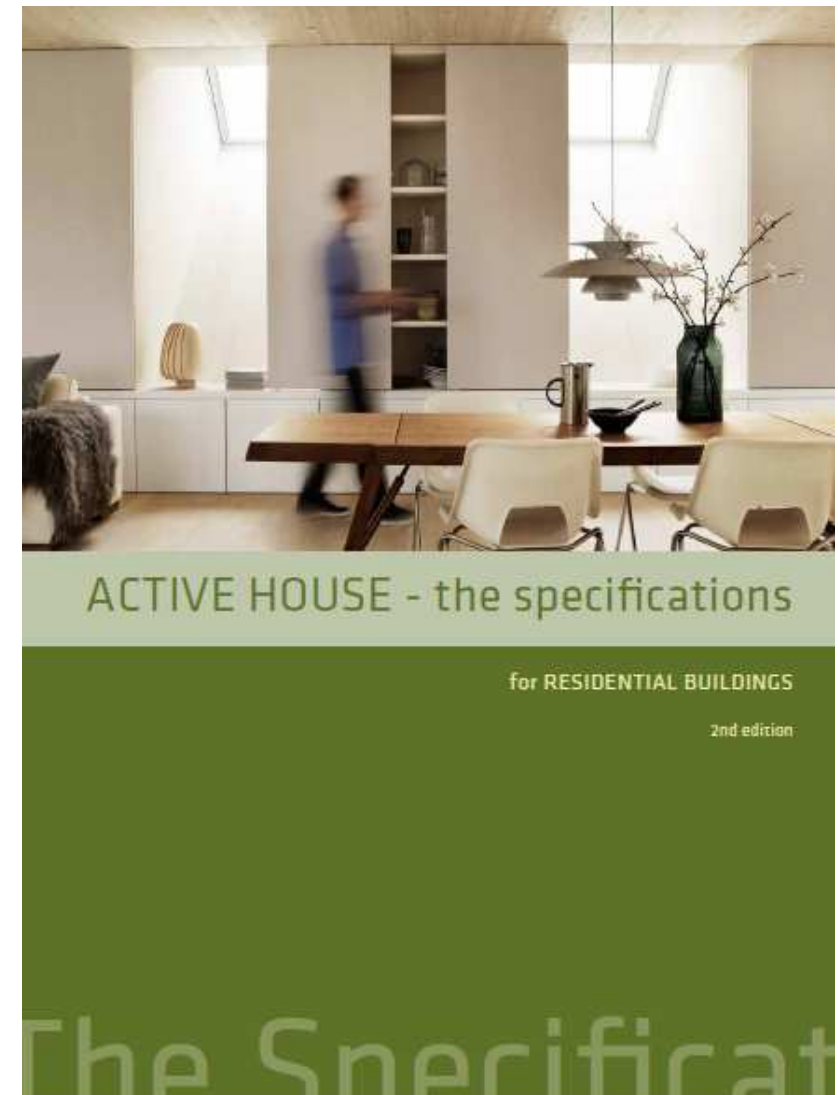
La seconda edizione del manuale può essere scaricata dalla homepage del sito Active House:

www.activehouse.info

Sono disponibili alcune copie.

Iscriviti alla newsletter:

www.activehouse.info



Active House Alliance

Progetti in evidenza sulla homepage del sito



COMPLETION: 13 DECEMBER 2012
BOTTICELLI PROJECT - CASA ECO PASSIVHAUS -
MASCALUCIA - CT - SICILY, ITALY
Botticelli Project intends to diffuse concept of Active House building which focus the Third Industrial Revolution (UK)



COMPLETION: APRIL 2009
HOME FOR LIFE
LYSTRUP, DENMARK
Home for Life is inspired by a traditional Danish 19th century 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
KETTENING, 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 Bimboouwen 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 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 Dantoss...



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 Denmark



COMPLETION: JUNE 2012
ECO-ENERGY RETROFIT
SALFORD, 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
SANDVIG, NORWAY
Jedermann was among the first in Norway to develop this category, ISOBO, was established in 2003. The new active design...



COMPLETION: OCTOBER 2010
SUNLIGHTHOUSE
FRESSAUM, VIENNA, 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
TÅSTRUP, COPENHAGEN, DENMARK
EnergyFlexhouse is two one's family houses, each of 120 m², a test building, and the other building is a one family in...



COMPLETION: NOVEMBER 2010
LICHTAKTIV HAUS
HAMBURG, GERMANY
LichtAktiv Haus is an energy-efficient renovation of a 19th century house



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 p...



COMPLETION: 15.10.2012
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
DLUGOLESKA, POLAND
Lumina House is an energy efficient, ecological and comfortable, intelligent, optimal and affordable new building



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 building, more than a year in a close public/private partnership.



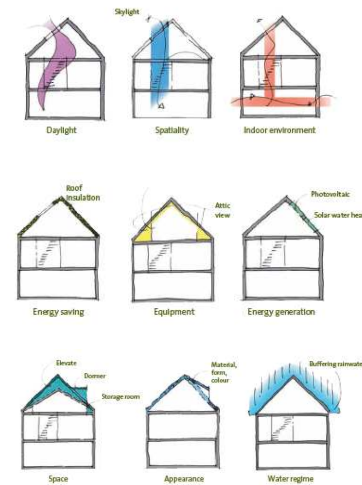
COMPLETION: APRIL 2012
NATURFREUNDEHAUS KNOFELE
SCHNIESSERGRABEN/KNOFELSTRASSE 4-2552 HIRSCHWANG, AUSTRIA
The old hut burned down in April. New building should be more friendly than the old one and more user-friendly for its...



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

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Ristrutturazione Montfoort



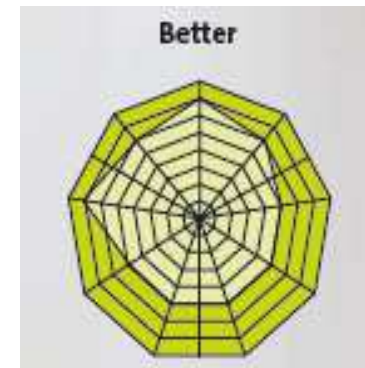
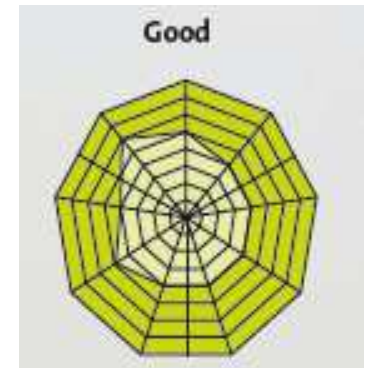
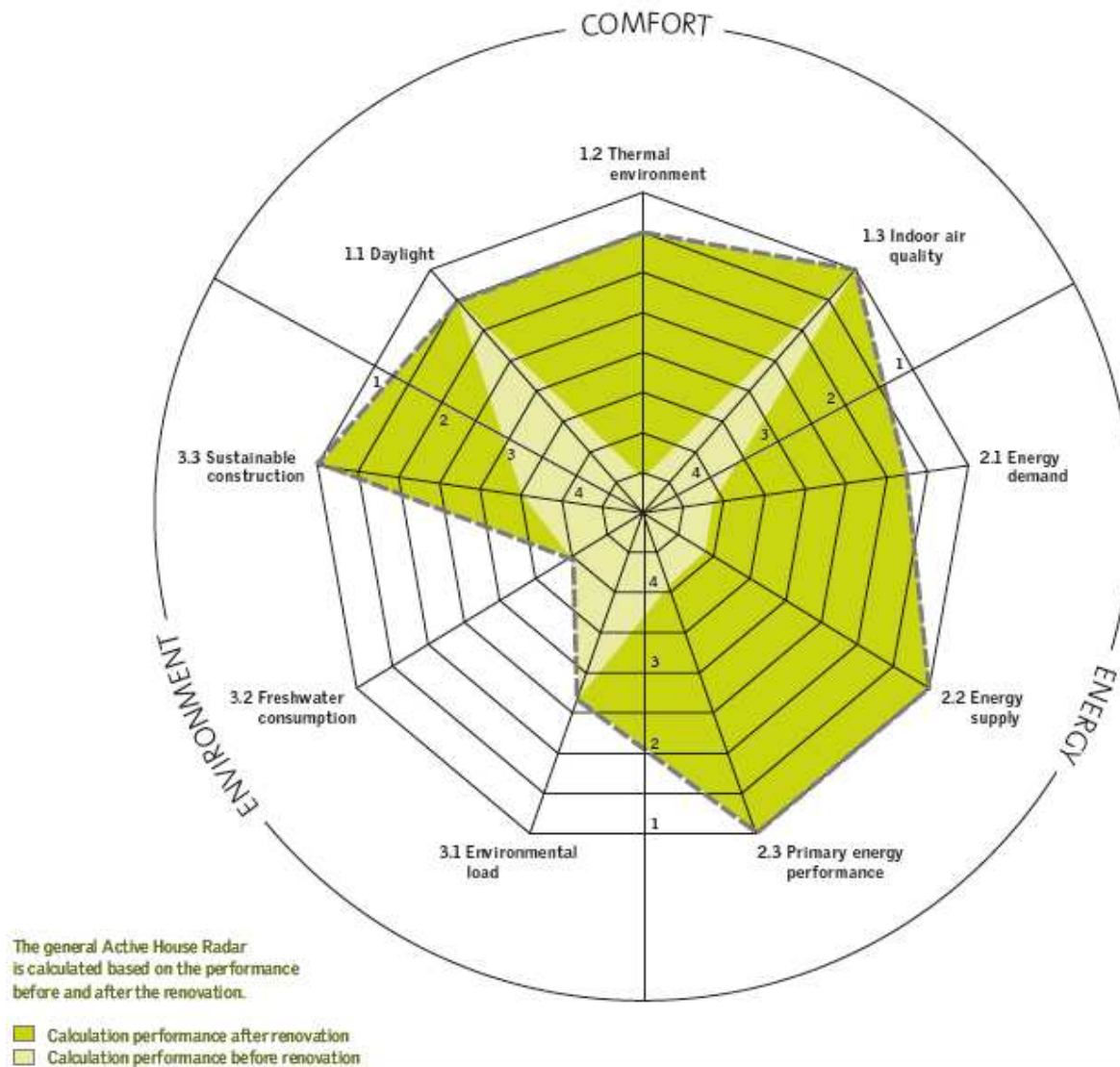
Project description

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 ² 131 m ² Net m ² 122 m ²
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.



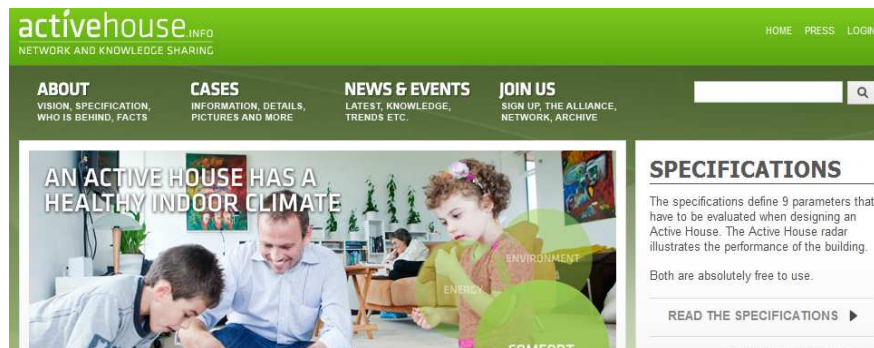
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Ristrutturazione Montfoort



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ISCRIVITI ALLA NEWSLETTER

NEWS & KNOWLEDGE

16. OCTOBER 2013

ACTIVE HOUSE COMES TO CANADA

NEWS [0] 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

13. OCTOBER 2013

FREE WEBINAR OCTOBER 24: MULTI-COMFORT HOUSE IN BELARUS

NEWS [0] TIFFANY FUHLER

Hear from the architect, Alexander Kucheryav, 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 [0] 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 [0] TIFFANY FUHLER

For the 6th 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 [0] 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...

HIGHLIGHTS



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

HØRSHOLM, DENMARK



NEWSLETTER

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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
The architect, Alexander Kucheryav, 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, and Karkasnyy Dom (Modern Frame 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 if you wish to follow the webinar.

Nordic Passiv House conference

The Active House Alliance participates at the sixth [Passivhus 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 Abramsen, 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@greatgulf.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 convergence 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

Contatta la segreteria:
secretariat@activehouse.info