



Active House

Edifici che producono più di quanto consumano

Presentato da:

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Hungary Green Building Council

Active House

L'origine del progetto



Piano EU 2020

- 20% Riduzione CO₂
- 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

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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*

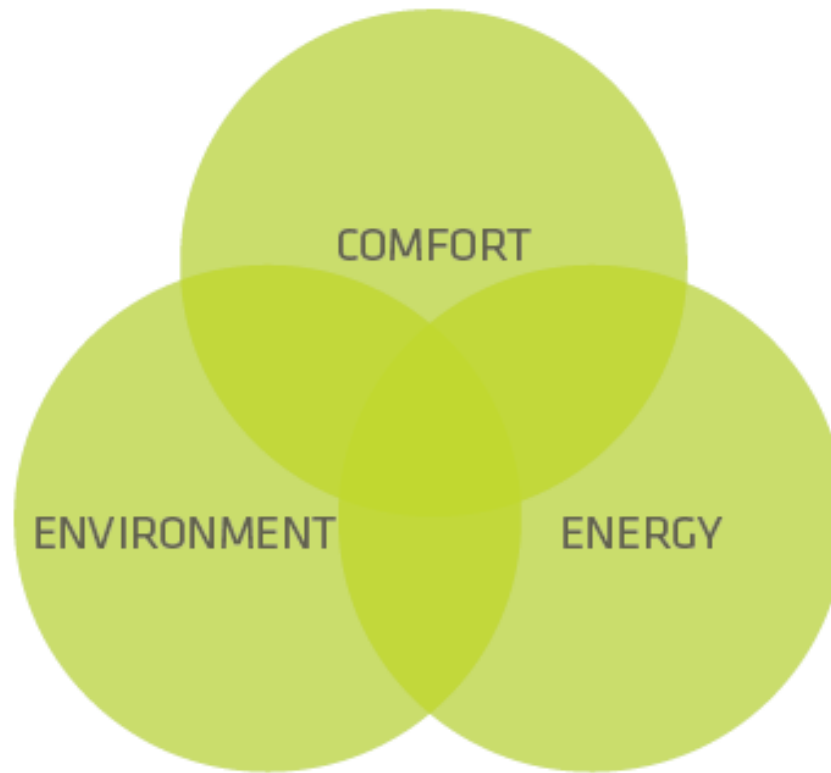


Ambiente

- *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

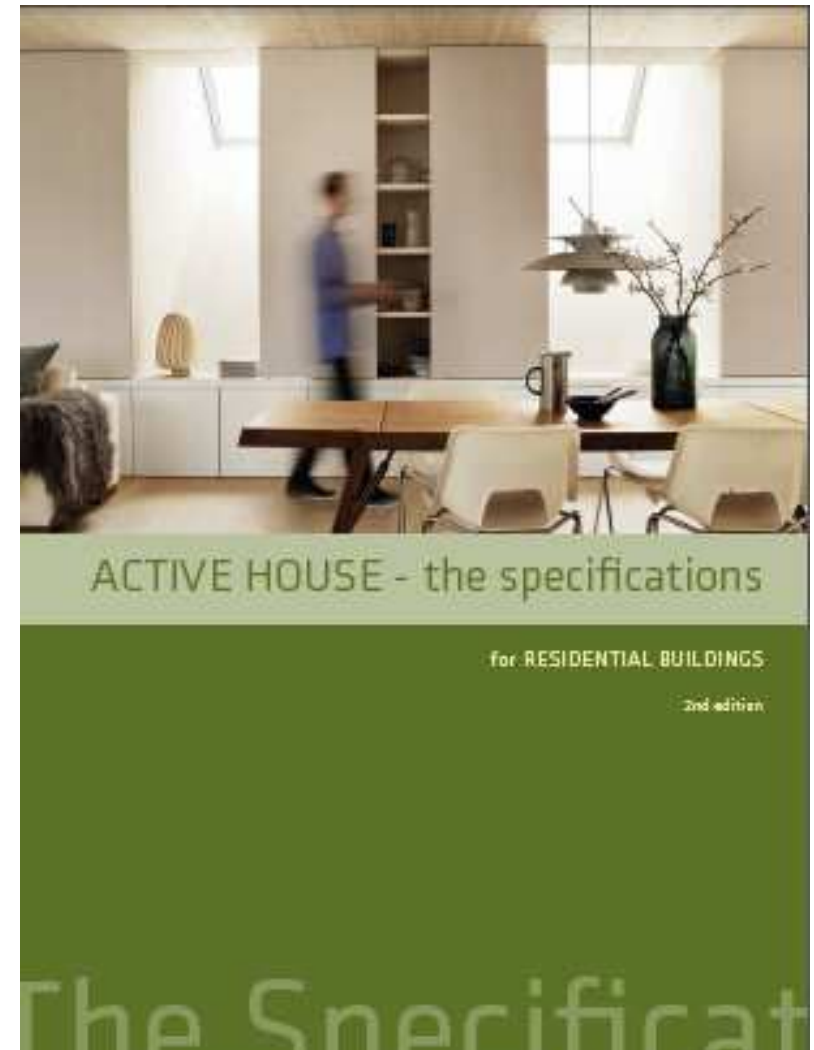
- Luce Naturale
- Temperatura degli ambienti
- Qualità dell'aria all'interno degli ambienti

Energia

- Consumo energetico
- Fornitura energetica
- Prestazione energetica

Ambiente

- Carico ambientale
- Consumo di acqua
- Edilizia sostenibile



Active House: approfondimenti

Prestazioni nel diagramma radar



Good



Better



Best



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



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



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.



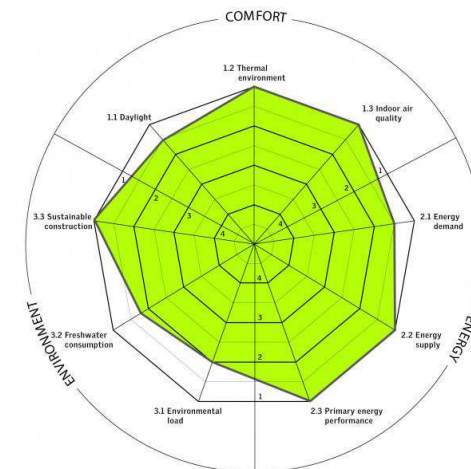
COMPLETION: APRIL 2012
NATURFREUNDEHAUS KNOFELE
SCHNIESSERGRABEN/KNOFELSTRASSE 4-2552 HIRSCHWANG, AUSTRIA
The old hut burned down in April. New building should be more friendly than the old one and more user-friendly for



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

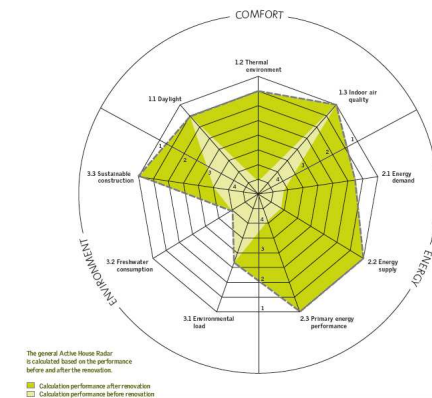
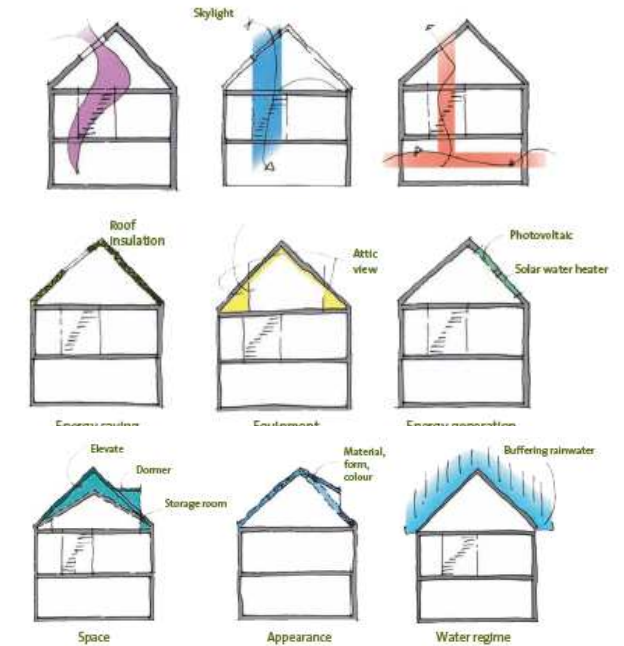
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Great Gulf Active House, Canada



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Ristrutturazione Montfoort, Olanda



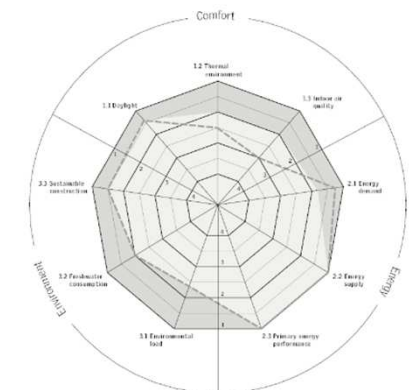
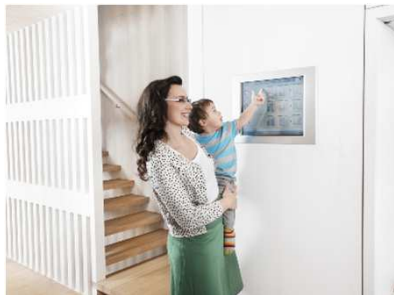
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Sunlight House, Austria



"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



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- ISOBO Active House, Norvegia



The Jadarhouse ISOBO Aktiv house is the first home in Norway that integrates the qualities of the traditional timber house and the principles of Active House to provide high living comfort and low energy consumption.



Active House

- www.activehouse.info

activehouse.INFO
NETWORK AND KNOWLEDGE SHARING

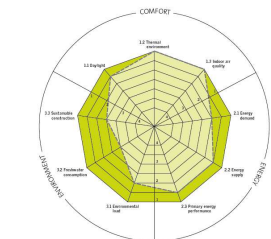
SCARICA
IL MANUALE

CREA IL TUO RADAR

ISCRIVITI ALLA
NEWSLETTER



ACTIVE HOUSE - the specifications
for RESIDENTIAL BUILDINGS
2nd edition
The Specificat



ACTIVE HOUSE NEWSLETTER 15/2013 OCTOBER 2013

UPCOMING EVENTS

Join us on October 28: 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: € 30,- To register:

October 24: Vitekhair Multi-Comfort House in Belarus
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, VELLUX Belarus. Sustainability Laboratory: Green 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 - 18:00 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 **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 16-17 and include a presentation by Carsten Olafsgaard Pedersen on the Active House vision for buildings.

NEWS
Active House opens in Canada
The Great Gulf Active House in Canada opens on October 10. Hans Bohr Albrechtsen, the Danish ambassador to Canada will be the guest of honor at the official opening. Follow the building through LIFE-systems.com. If you wish to attend RSVP to info@activehouse.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 convergence by a common process. Active House will participate in the next workshop to be organized in October on the 21-22 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: **Buildings 2013** and **SB13** both organized in Prague. The **Building Systems conference** in Athens, as well as being present at **EBUE** in Munich.



Grazie per l'attenzione!

Vuoi far parte dell'Alleanza e seguirne gli sviluppi?
www.activehouse.info

Contatta la segreteria:
secretariat@activehouse.info