



## Highlights

### Randers Arkitektens Architectural Studio as ActiveHouse

Randers Arkitekten has developed their new studio as a pioneer project within Active House-classifications as it is the first Danish Active House architectural studio. Furthermore, it is the first commercial conversion and renovation with the Active House-classification.



The aim of the project is to inspire both clients and the general industry to integrate sustainability as an aesthetic and phenomenological parameter in building projects.

“Our architectural studio is born with the focus on sustainable architecture, and the conversion of our studio is thus also an aspiration to experience the effects and reflect upon the design processes” – says

Brian Andersen, architect MAA and founder of Randers Arkitekten.

The primary focus of the conversion has been the environmental and comfort parameters in order to create some functional work spaces.



#### **Comfort:**

An effective tool for the air quality is a big plant wall in the office space which helps purify the air. Additional to the comfort-related effects of having plants in the work space, there is an obvious aesthetic quality.

Big curtain walls in the facades are preserved to exploit the high level of daylight, reducing the need for using electrical lighting, but to reduce the risk of overheating, the existing overhang is preserved but supplemented by a solar film is added to the glass. The facades are upgraded with movable solar screens of wooden lamellae, and these passive strategies reduce the need for cooling of the space.

The electrical lighting is furthermore controlled by the space temperature and the direct sunlight, so that it turns on at a minimum of direct sunlight of 0,4kW and turns off whenever the space temperature reaches above 28 degrees.



#### **Environment:**

The furniture is generally made from reusable materials, and the lamps are custom designed energy-efficient LED.

The wooden lamellae in the facades are made from PEFC-certified wood.

All plumbing installations (toilets, dishwashers and water taps) are water saving, saving 55%, thus the project scores the highest possible value in this parameter.





### Energy:

For the optimization of the energy consumption, the existing windows with a U-value of  $2,7 \text{ W/m}^2\text{K}$  are exchanged for new windows with a U-value of  $0,72 \text{ W/m}^2\text{K}$ .

## Conclusion:

The renovation project shows that there is a huge potential in exploiting our existing buildings while still achieving a reasonable building performance regarding both, energy, environmental sustainability and comfort.

The existing building stock constitute an important part of our cultural identity, both locally and nationally. Based on this project we hope to inspire others to preserve the qualitative building mass while using the simple tools that Active House make available for the process.

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# The Alliance in Work

## 2017: looking back to a year of exciting results

This 2017 has been an overall positive year for the Active House Alliance. Many thrilling developments happened during the last past 12 months, making this year full of key milestones. Let's have a quick run through:

**Active House Symposium:** last September, in the framework of the 2017 World Green Building Week organized by [the World Green Building Council](#), the Active House Alliance organized in Bornholm its 5<sup>th</sup> Symposium under the theme 'Designing for people first?- what comes second'. The symposium was hosted by [Green Solution House](#), the winner of the first edition of the 2016 Active House Label Award Competition.

The 90 participants from 12 different countries and across the building industry brought multilateral approaches how to apply and evaluate the Active House principles & values, finalising with the #ModernLiving bus tour around Bornholm. Catch the atmosphere [here](#) and view the presentations on SlideShare [here](#)

During the 2017 Active House Symposium Michael K. Rasmussen, SVP at Velux, explained what Active House is and what [it stands for](#); Chairman Yves Lambert explained the user centric approach in Active House. He underlined that the [Active Houses include](#) energy performance, and also has a focus on the needs and comfort of users.

The 2018 Active House Symposium will be organized in Italy! Check out our next newsletter, and the [Active House website](#) for more information coming up soon!



**Active House label award competition:** we were glad to announce during the Active House Symposium the winners of the 2017 Active House label award competition.

This year's label award went to Hungarian **Reborn Home**, while diplomas in the following categories were awarded to:

- Diploma on Best in New Built: **OptimaHouse**
- Diploma on Best in Renovation: **RenovActive**
- Jury recommendations in Best in design: **Tamago 115**

The selection was made by **an international jury** who evaluated each project according to the Active House principles of energy efficiency, comfort for the occupants and environmental impact.

The Active House Alliance will also organize a new edition of the competition next year! Stay tuned on **the Active House website** for more information in the coming months!





New labelled projects:





Tadium building in Denmark by RandersArkitekten ApS became the world's first ActiveHouse-classified institution. [Discover the project!](#)

**New members & Partners:** this year the Active House family grew with new members and partners joining! Thanks for sharing this journey with us:



UNIVERSITÀ  
POLITECNICA  
DELLE MARCHE

ARKITEMA  
ARCHITECTS

Scuola universitaria professionale  
della Svizzera italiana

SUPSI

BLOX HUB

**New generation of verifiers:** in the past months 7 building professionals received the Active House Verifier Diploma bringing up to a total of 12 specialists who demonstrated proof of their in-depth knowledge of the Active House principles and values.

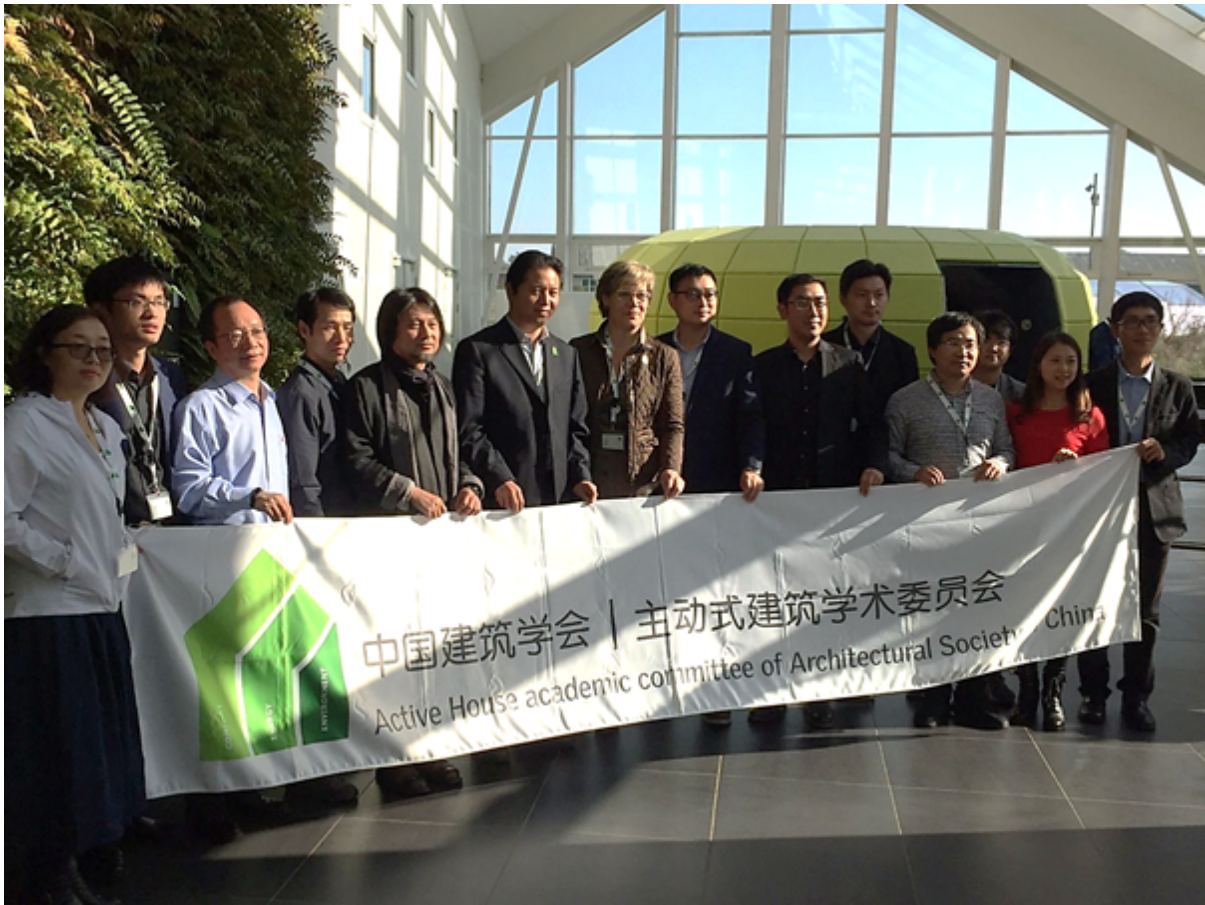
The poll of professionals that are entitled to assess sustainable buildings based on the Active House specification now cover 7 geographical areas including Denmark, Italy, Ukraine/Belarus, Romania, Canada and China.

Check out the full list of international Active House verifiers [here](#).





**Active House Alliance went to China:** in September, the Active House Alliance and the Active House Academic Committee of the Architectural Society of China (AHAC) signed a Memorandum of Understanding (MoU) to officially launch the collaboration between the two organisations. This also marked the inauguration of the new Chinese branch of the international Active House Alliance, which is fifth in the row of the national chapters.



**New Secretary General:** the baton of the Alliance was passed on to Lone Feifer, Programme Director Sustainable Living in Buildings at the VELUX Group. Earlier this year we had a brief chat with Kurt on his past achievement as previous Secretary General. [Read here](#) what he had to share.

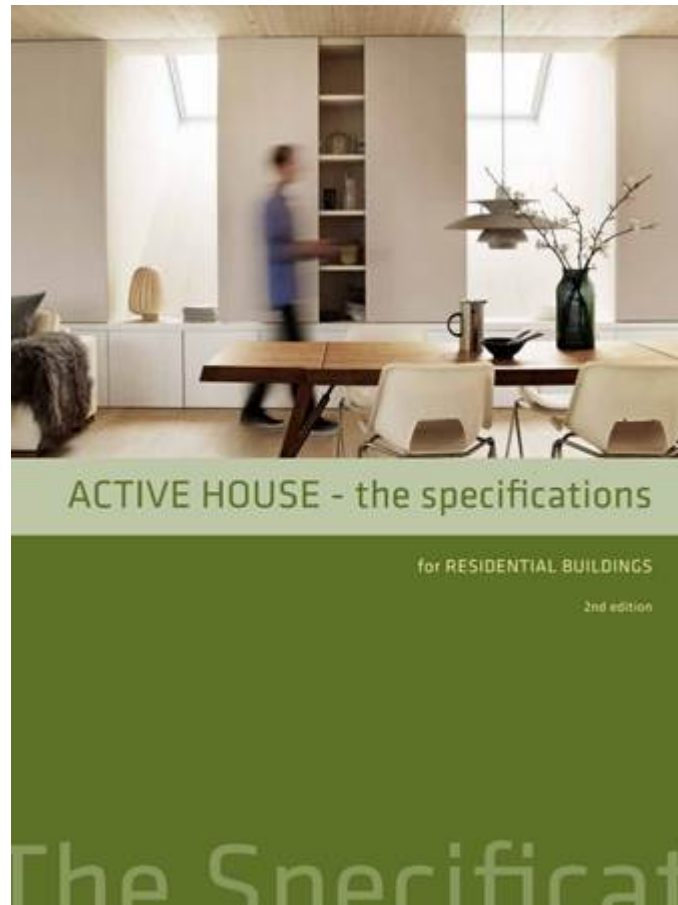


## Label

**Update 3.0 of Active House specification Manual – Be part of it!**

The Active House specification Manual was updated in 2013. Since then, a lot has happened with the way we think and handle comfort, energy and environment in the building industry. Along with that, numerous of Active House projects have been developed. These projects have contributed with valuable experience and feedback from practice on specifications, tools and evaluation processes. To have an updated and consistent basis for Active House development, it has been decided to start up an update-process of the current Active House specifications version 2.0.

The work will commence in 2018, under the leadership of Amdi Worm, responsible for the Metrics Work Group; followed by a presentation at the Symposium in the autumn. If you want more information, please reach out to [lone.feifer@activehouse.info](mailto:lone.feifer@activehouse.info).



## Events

# ACTIVE HOUSE - the guidelines

**WEBINAR on Active House Calculation**  
**9 & 16 January**

*For more information visit the Active House website!*

Comfort  
Energy  
Environment



**ACTIVE HOUSE SEMINAR 23.2 2018 BRUSSELS**  
 HOW CAN BUILDINGS CREATE VALUE THROUGH VALUES?



Get insights into smart buildings monitoring, tools for how to specify comfort parameters, through innovative and international cases. Active House Seminar during Batibouw; For professionals – developers, architects, planners, engineers, designers, clients and facility management.

Photo: Adam Park



**6<sup>th</sup> Active House Symposium in Italy**  
*More details coming soon!*

*Merry Christmas from the Active House Secretariat*



*Thank you for your attention and useful contributions to the main achievements accomplished by the Alliance in 2017!*

*Looking forward to the further successful cooperation in 2018!*

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 NETWORK AND KNOWLEDGE SHARING

## Members

#### Active House members:



#### Knowledge centers:



#### Partner organisations:



#### National alliances:



Become a member of the Alliance

## Press and communication



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NETWORK AND KNOWLEDGE SHARING

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

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