

[Active House Newsletter April 2018](#)[View this email in your browser](#)

## Active House China Symposium and First museum in the world to receive the Active House label

In the context of the 14th International Green Building and Building Energy Conservation Conference & New Technology and Product Expo held in ZhuHai, China under the theme “[Advancing the Green Building towards the Quality Era](#)” the Active House Symposium- China Chapter was organized.





One of the main highlights of the AHAC – Chinese Active House Chapter symposium was the granting of the first Active House label for a museum project. The label was given to the green developer Modern Land for **the project** of the MOMA Art Museum in Beijing.



Illustration credits to <https://mp.weixin.qq.com/s/-jgJ4Pt5tYk7VmsLDXJb-A>

The project was verified by **IEN consultants**, who will also be trainers at the upcoming verifier seminar in Beijing, end of May. The verifier seminar is conducted by AHAC, with Guenther Gantioler from Active House Italia as leading instructor.

## in the future- Bornholm's Green Solutions House uses hi-tech sensor analytics to see the Active House Principles in action

Green Solution House is an example of how a hotel can be run aiming for a zero-waste—zero-impact state and it is one of the first projects receiving the prestigious award of an Active House label.

It incorporates the key principles of an Active House: comfort, energy efficiency and healthy environment.

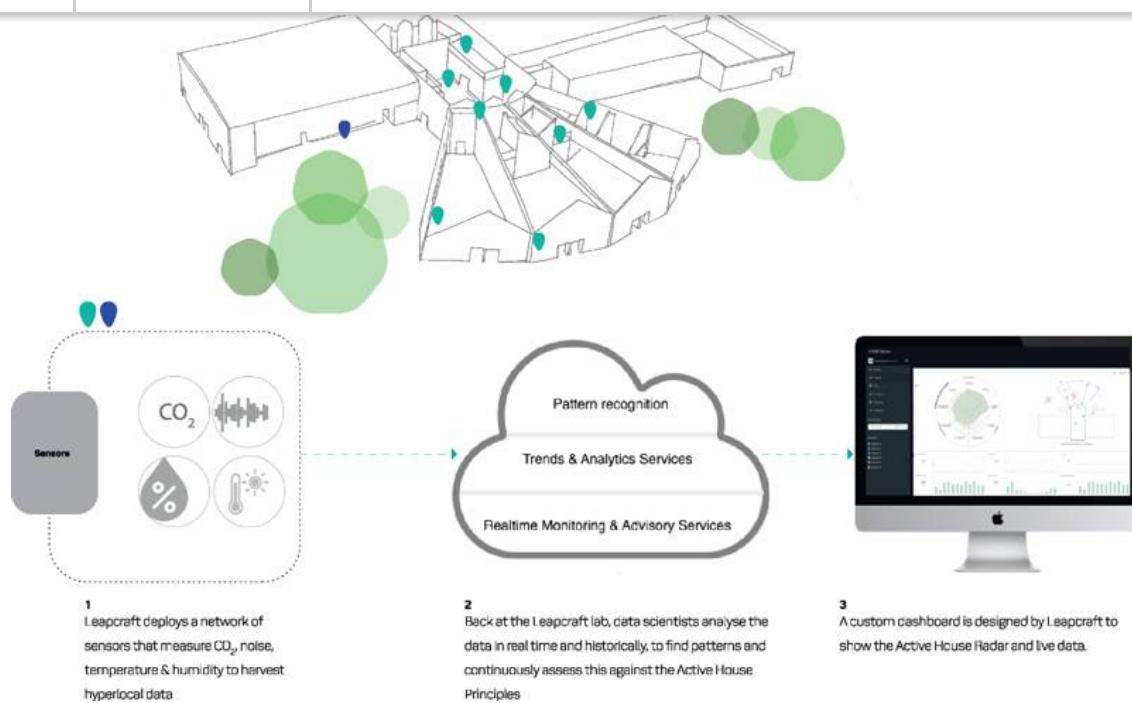
In order to quantify the meaning of an Active House, Leapcraft, an innovative company which uses sensors and data to measures the performance of buildings, partnered with Velux and the Green Solution House to study the Active House parameters.



Illustration credit: Leapcraft

The results of this initiative have been published in a case study which can be downloaded [here](#).

The Leapcraft team told us how they produced it: '*Leapcraft's deployment covered the spaces like a blanket, harvesting data continuously from over 10 locations in the GSH. They measured air quality, temperature-humidity and noise indoors along with environmental parameters outside since Sept 2017 over fall and winter observing the changes in the space. (...) The sensors took thousands of measurements, every day and flashed them to Leapcraft's lab back in Copenhagen.*'

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From Green Solution House to Leapcraft's Lab—harvesting data, robust and reliable cloud infrastructure, data analysis and custom builds for visualisations deliver a human-readable sensemaking of sensors.

Illustration credit: Leapcraft

They also told us about the challenges of measuring a space: '*quantifying an Active House brings together varied sensors arranged to work synchronously. But complexity shows up when you begin to see multiple data trends streaming continuously for the same space. [...] "Different locations could have different impacts on the sensor value due to the localised indoor climate features. These indoor climate features would include drafts, temperature islands and wireless dead zones. Thus, the deployments require careful thought and planning to outfit the space. Such patterns of impact on the sensors would therefore require planning on sensor deployment in large scale scenarios and advanced pre-analysis requirements. In addition, practical constraints like availability of power sockets, sunlight exposure, mounting options etc need to be considered."*' says Vignesh Krishnamurthy, a data scientist at Leapcraft.'

The result of the study is that: '*The Active House principles had ensured the GSH was performing at various levels. It stands up as a strong benchmark for active space monitoring. Such frameworks help in creating an universal benchmark for the regulations to be tracked and maintained.*'

According to Leapcraft the next steps are: '*The future of this is in deploying a family of sensors and continuously harvesting data from them to see if the buildings perform to the standards they have been coded for.*'

Read here the full story: <http://www.leapcraft.dk/blog/2018/04/23/when-tomorrows-architecture-is-striving-to-satisfy-in-the-future.html>

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**Nordic Clean Energy Week, 21-25 May, Copenhagen and Malmo**

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The **Nordic Clean Energy Week** is taking place in Copenhagen and Malmo from 21 to 25 May 2018 focussing on the clean energy revolution.

In this context, Active House organizes a **debate** on 23 May from 15h00 to 20h00 on smart buildings and cities and to showcase best practices in this field.

The event includes:

- Transfer by bike / boat to the newly inaugurated Copenhagen International School, where a presentation of the Active House approach by Danish consultancy Cenergia & Kuben will be delivered;
- Transfer by bike / boat to BLOX building, where the Active House Alliance will host a presentation and panel debate on smart buildings and cities in the BLOXHUB network on sustainable urbanization:
  - Presentation of research projects for business models in smart buildings & cities followed by scalable solutions and implementation examples.
  - Discussion and panel debate in the new BLOX building.
  - Key stakeholders presenting and good networking opportunity in an informal atmosphere.

Nourishment for body & spirit served.

This event is upon personal invitation only. Please send an email to the Activehouse Secretariat [Secretariat@activehouse.info](mailto:Secretariat@activehouse.info) to request a personal invitation to the event.

## Events

- 7 May: Energiewende Bauen 7.5, Berlin – AktivPlus presentation on the concept of Active House
- 13-16 June: Central & Eastern European Energy Efficiency Forum, Serock, Poland
- 28-29 June: **COFRET 2018, Strasbourg**, France

23-24 June 2018



**Active  
House  
Days** in Ukraine

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### Knowledge centers:



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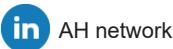


### National alliances:

activehouse Canada, activehouse NL, aktivhus, activehouse Italia, aktivplus, 中国建筑学会 | 主动式建筑学术委员会, Active House Analysis Committee of Architectural Society of China

[Become a member of the Alliance](#)

## Press and communication



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