

# The Active Building Centre



Swansea University  
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Active  
Building  
Centre

*Active Buildings transforming construction and energy*

## Summary

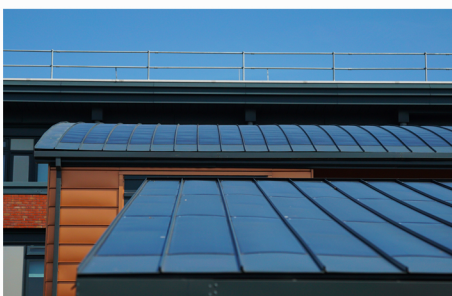
The Active Building Centre works with industry, academia and government to transform the way the UK designs, constructs and operates buildings, to help the UK reach net zero carbon emissions by 2050.

Active Buildings have the potential to substantially reduce both the operational costs of buildings and their demand on the UK energy infrastructure.

Active Buildings integrate renewable energy technologies and intelligent controls for heat, power and transport. They are designed to be energy efficient, with novel ways of controlling and releasing energy to meet their own needs or more. They could be self-sufficient or, when connected with other Active Buildings in a network, they could have the ability to trade energy.



The Active Building Centre collects data on building performance and conducts social science research to provide the evidence that industry and policy makers need in order to prove the case for these innovative Active Buildings, which are more sustainable, perform better, and could significantly contribute to UK decarbonisation.



## Our Mission

The Active Building Centre's mission is to create an independent national centre that convenes industry, academia and government to enable the deployment of Active Buildings.

## Find out more

Website: [www.activebuildingcentre.com](http://www.activebuildingcentre.com)

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