

Active Roofs and Facades for Sustainable Renovation

The Nordic Built “Active Roofs and Facades in Sustainable Renovation” project is supported by Nordic Innovation allowing strong development of leading Nordic competences in the area of building renovation. This is achieved by creating transnational Public Private Partnership models to support the development towards nearly zero energy building solutions and associated performance documentation – which is required in the EU building directive.

The proposed cooperation with the building industry on developing models and the demonstration of “Active House” based sustainable renovation will create a strong Nordic alliance. The project runs from 2014 to 2017 and will involve companies which are represented in the Nordic countries and companies from the international Active House Alliance, [www.activehouse.info](http://www.activehouse.info). The development will use the best transnational competences and networks, creating greater possibilities to export technology. Together with a strong focus on “Performance Documentation”, practical demonstration includes the winning entry in the Nordic Built Challenge architectural competition, school renovation in Copenhagen and housing renovation in Malmø, Sweden.

An important challenge is to introduce holistic oriented demands in the so-called Nordic Built Charter in practice in involved demonstration projects. See:

<http://www.cenergia.dk/da/images/Nyheder/2014NordicBuilt/150108nordicbuilt.pdf>

And experiences from the Green Solar Cities book by Routledge/Earthscan launched in January 2015, see:


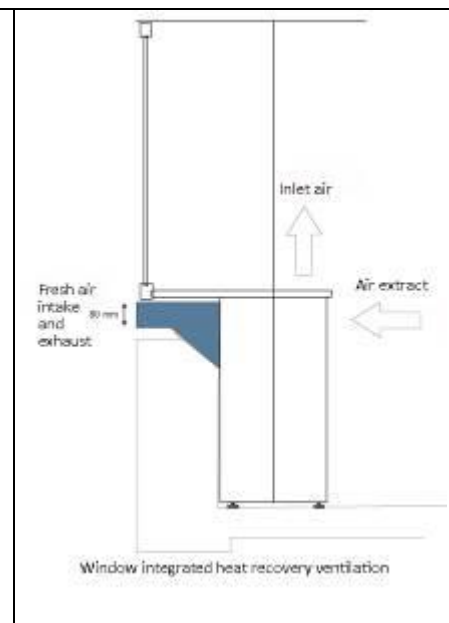

<http://www.routledge.com/books/details/9780415731195/>

Main results on PV implementation from Copenhagen are illustrated in the two small videos below:

<http://vimeo.com/98926904>

and

<http://vimeo.com/98926905>

		
<p>Grøndalsvænge School in Copenhagen. Window integrated heat recovery ventilation from Ecovent.</p>	<p>Grøndalsvænge School in Copenhagen. Window integrated heat recovery ventilation from Ecovent.</p>	<p>The Ellebo Garden Room housing renovation in Ballerup. Winning project of the Nordic Built Challenge Architectural Competition.</p>