

New technology defeats moisture in cold attics and potentially enables household energy savings.

Ventotech is the spin-off from Chalmers University of Technology in Sweden that develops and sells a new technology for cost- and energy efficient moisture and mould control for enclosed construction spaces such as cold attic spaces. The technology is based on years of research and the innovator is well known Professor Carl-Eric Hagentoft. Recently, a product line for cold pitched roofs and attics was released. Ventotech will attend the Roofex exhibition in Manchester, UK, 22nd of November.

Today, there is a debate how or whether cold attics best should be ventilated. The need vary from case to case and also between different types of climates. What have been seen the recent years is that increased ventilation not always improves the moisture situation in the attic construction, it is rather contra-effective during times, and moisture related damages is common in existing and newly built cold attics. The urgent need for an *adaptive climate controlled ventilation* and a demand for a solution to the growing problem, was the driving force behind professor Carl-Eric Hagentoft's innovation.

The Vento principle (patent pending) is based on controlling the ventilation. All ventilation is controlled by supply fans and dampers, which are installed in the gables or through the roof. When it is beneficial to ventilate, the fans run and the dampers open. The fans and dampers are regulated by a control unit, which receives information from climate sensors placed both inside and outside the attic space. An algorithm to decide how and when the ventilation should be enabled. The pressure established by the supply ventilation prevents humid indoor air from leaking up through the ceiling. The product is very energy- and cost efficient in relation to traditional dehumidifying solutions which is used where moisture problems appears. In addition does the product enable energy savings thanks to possibility to more insulation in the attic floors without moist problems, and lower cooling load during summers thanks to forced ventilation of the attic space.

The Vento principle is developed for cold attics, but is generally applicable for any situation where moisture controlled ventilation is needed. Additional options include the possibility for conditional control of auxiliary products, such as heaters, dehumidifiers, etc, as well as wireless remote access and control.

Venture backed Ventotech has got good response from the real estate and construction industry and has already top-tier customers and partners.

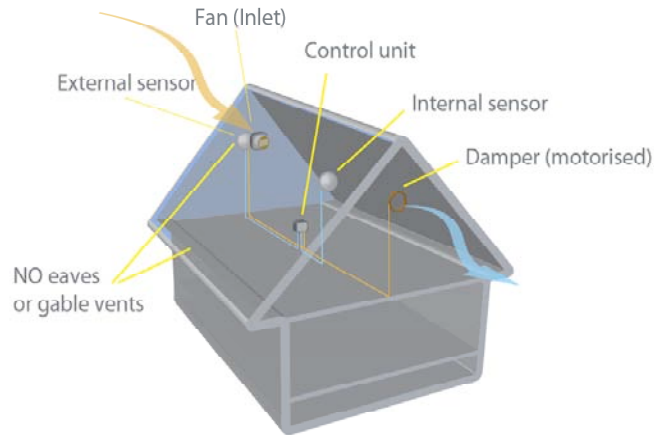


Illustration: Ventotech product installed in a small house attic space.



Photo: The Ventotech product platform (control unit and sensors).

For further information or graphics, contact:

Marcus Thorin
Manager/Business developer
marcus.thorin@ventotech.com
+46707-878128

Ventotech AB
Stena Center 1D
412 92 Göteborg
Sweden

www.ventotech.com