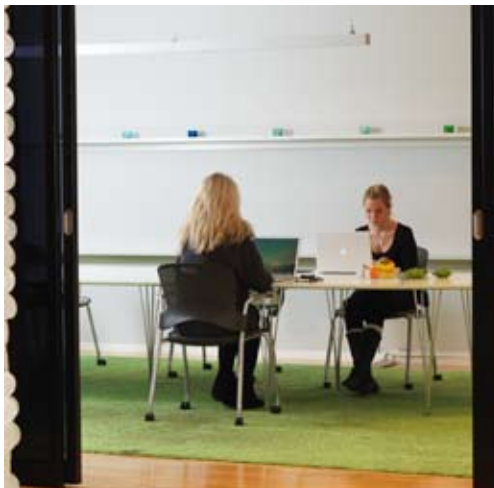


SwegonSolutions™



Energy-efficient
ventilation solutions
with maximum comfort

We create the world's best indoor climate for people and the environment!



We help our customers to save money by improving their energy saving potential whilst conserving the environment. We achieve this by offering energy saving systems with demand controlled ventilation and high efficient energy recovery.

Swegon is one of the leading manufacturers of equipment for air treatment in Europe. However, our vision is to create the world's best indoor climate for people, with the least possible impact on the environment.

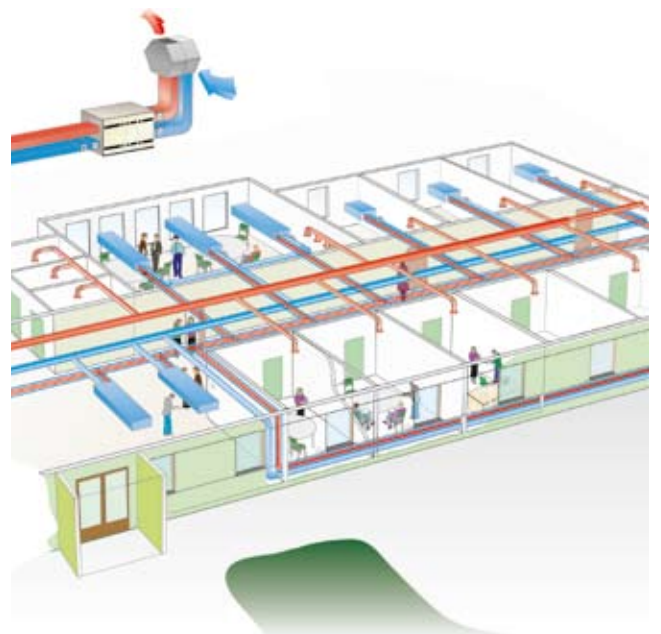
Swegon's development of ventilation products focuses on four key objectives:

- ▶ High energy efficiency and reduced carbon footprint
- ▶ Maximum comfort
- ▶ Low installation costs
- ▶ Minimum space requirement

Swegon can offer specific products in most products areas that deal with air treatment. However, the end user will benefit most if these products are offered as a system solution. We can then take responsibility to ensure the products are simple to install and interface correctly with each other to optimise performance. This will help achieve maximum comfort with minimum energy costs. Our control system with open protocols also deduct major costs from a central BMS-system

We call our solutions Swegon Solutions.

SwegonSolutions™





Swegon's Retail Solution saves €7,000 per year

Debenhams department store in Llandudno, Great Britain, has two floor levels with approx. 1,900 m² each. By choosing a Retail Solution from Swegon, the initial investment costs were lower and 7,000 Euro in operating costs could be saved annually, compared to the original planned solution. The energy costs are 28% lower compared with previously built Debenhams department stores.

Two large roof ventilation units with integrated gas-fired furnaces, electric heating coils and large cooling units were originally planned. Beyond a certain intermixture of recirculated air, no heat recovery had been planned.

Instead of merely supplying individual components, Swegon entered a prompt and effective collaboration with the consultant and the installer. All the information was analysed and the costs for installation, energy use and maintenance were calculated. In addition, the heating and cooling loads for optimum comfort were calculated.

The two large ventilation units were exchanged for four smaller GOLD air handling units with rotary heat exchanger, air recirculation section and with COOL DX cooling unit. The investment costs were lower, mostly because the gas-fired furnaces were not needed and because the cooling equipment was less expensive. On the sales floors, air diffusers for displacement air distribution integrated into the sales display column were selected and in this way no extra floor space was used. In addition to the above, Swegon also supplied extract air diffusers, sound attenuators and dampers.



Air diffusers incorporated into retail product display columns save floor space.

The huge benefits of this Retail Solution from Swegon

- Low investment costs
 - Reduced size of heating system
 - Reduced size of cooling equipment
 - Complete AHU with all controls included
 - Reduced installation time
- Reduced space requirement
 - Smaller AHU's enable a lower installation height
 - Fans allow for direct duct connection without diffusing
 - Air diffusers integrated in product display columns
- Low operating costs
 - Demand controlled ventilation in zones
 - AHU's with recirculation section for night time operation
 - Displacement air diffusers with adjustable nozzles manage lower temperatures whilst maintaining comfort
 - Energy efficient fans and 80% heat recovery

More examples of Swegon's system solutions



Västerport, Sweden
Office Solution



School in Sögel, Germany
School Solution



Kerrostalo, Finland
Home Solution



Pruszków Velodrom, Poland
Arena Solution



Hotel Årjäng, Sweden
Hotel Solution



AMC Hospital, the Netherlands
Hospital Solution

[Read more about Swegon Solutions at www.swegon.com](http://www.swegon.com)

Facts about Swegon

- Established in 2005 as a merger of the two Swedish ventilation companies StifabFarex and PM-Luft, each with more than 50 years in the business. In 2007, Swegon also acquired the Finnish ventilation company ILTO.
- In 2008, Swegon had a turnover of 230 million Euro, of which approx. 65% was exported.
- Sales, Sweden: 16 sales offices that cover the entire country. The majority of the sales offices also have several service engineers. A total of 125 employees.
- Export sales: Our own sales companies and partners in 40 countries, mainly in Europe. A total of 300 employees in our own companies.
- Manufacture:
 - Kvänum, Sweden – Air handling units. Also main office. 325 employees.
 - Tomelilla, Sweden - Products for air distribution and airflow control. 130 employees.
 - Arvika, Sweden – Waterborne indoor climate systems and acoustic products. 120 employees.
 - Kaarina, Finland – Products for home ventilation. 60 employees.