



# Dry clothes for Siemens A/S employees

Siemens A/S, Denmark



*The Siemens A/S headquarter in Ballerup, Denmark is the base for almost 900 Danish employees. Many bike or run to work every day, and the well-equipped fitness and spinning rooms are used extensively.*

*When the new Ballerup headquarters was inaugurated in November 2013, the building was appointed one of the most environmentally-friendly commercial buildings.*

*Siemens A/S has a strong focus on both indoor climate and energy consumption and, wherever possible, Siemens' own technology is used. For example, all rooms are equipped with CO<sub>2</sub> sensors to ensure personalized and optimal indoor climate.*

*All new installations must be energy-neutral, which is why Munters' drying room concept proved to be the right solution when Siemens was looking for the best method to dry employee clothing.*

### **Facilities upgrade**

Each employee had a metal cabinet for storage and drying of their cycling/running clothes and towels in the old building. The room was heated, but clothes didn't usually dry during the workday. Many creative, but mostly inefficient, solutions were attempted. It was clear that a better solution had to be found in the new facility, and the answer was the Munters' drying room concept. A 16 m<sup>2</sup> large room adjacent to the fitness rooms was furnished as a drying room. A Munters MH270 desiccant dehumidifier with humidistat and three circulation fans were chosen to solve the problem.

#### **Case study**

- Siemens A/S, Denmark drying room for employees

#### **Advantages:**

- Fast, efficient, and gentle drying and easy installation
- Energy efficient solution - savings up to 75% compared to traditional drying cabinets and simple operation
- Building constructions protected against humidity-related damages



## Simple operation

The first employees that hang clothes, shoes and towels activate a switch that starts three circulation fans to dry the room. This ensures that the water in the clothes is released into the air, and from the dehumidifier is effectively distributed throughout the room. When the humidity rises above 45% RH, the dehumidifier automatically starts to remove moisture from the air.

A warm regeneration air stream passes through a separate part of the desiccant rotor, removing the absorbed water from the rotor, which is then discharged as a hot and wet air stream. In many cases this airstream is led outside, but at Siemens and many other places, this warm air is led into the existing ventilation duct to a Genvex system, resulting approximately 25% additional savings.

### **Very satisfied users**

The drying room has many users each day, and all very happy with the solution. Clothes are easily placed on a system of stainless-steel hangers and racks. Even when the room is filled with wet clothes on a rainy day, all employees will have dry clothes for the trip home. As clothes now dry fast, bad odors are eliminated.



# Energy and environmentally friendly solution

Project Manager Michael Götz has been Siemens A/S responsible for purchasing equipment for the drying room and warmly welcomes the solution. "The low energy consumption means that the concept lives up to Siemens' requirements for minimal environmental impact.

With the drying room, we can offer our active employees the best drying facilities and we have avoided energy intensive drying cabinets, which are difficult to fill and empty and have very limited capacity."

## Read more about the concept

The Munters' website contains more details about this drying room case. Here you can also read case studies from other installations (both private and public).  
[www.munters.com/clothesdrying](http://www.munters.com/clothesdrying)

Would you like to find out if Munters has a solution for your company too? If so, please visit our website, [www.munters.com](http://www.munters.com)

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