



**SECTOR:** Medical & Health

**CLIENT:** Hørbart

**LOCATION:** Denmark

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# CITY M REMOVES PARTICLES AND ODOUR AT HEARING CENTRE

THE CITY M AIR PURIFIER CAN BE A GAME CHANGER FOR INDOOR AIR QUALITY

**Hørbart, based in Vejle in Denmark, is a hearing center with experienced hearing specialists who provide customers with independent advice, hearing measurements and guidance based on patient's individual needs.**

Camfil contacted one of Hørbart's owners, Stinne Møller Nordby, to find out if they might be interested in installing a City M air purifier with a carbon filter and a certified H14 HEPA filter. Camfil explained the benefits of the City M air

purifier, which removes up to 99.995% of the particles in a room approximately every ten minutes. Furthermore, the City M air purifier is recommended by Asthma Allergy Nordic and is ECARF-certified.

Stinne was quickly convinced that it could be a very good opportunity for Hørbart to optimize the indoor environment for the many clients as well as the staff.

## WITHOUT INFLUENCE

Hørbart is part of an office environment, where their office is placed in a shared building with other companies and is therefore dependent on the central ventilation and does not have the opportunity to influence the quality of the indoor environment in relation to the choice of filter class for the ventilation system.

Outdoor air pollution from e.g. traffic and pollen etc. enters the building via the ventilation system as well as open doors and windows and mixes with the indoor air.



The indoor air at the hearing center can be affected by emissions from building materials, furniture, cleaning agents, copiers as well as human activities, bacteria and viruses. This can significantly affect the indoor climate. Therefore, the City M air purifier can be a game changer for indoor air quality.



### EFFECTIVE TEST

However, the criteria for Hørbart was that the air purifier's noise level should be very low, so that the noise could not interfere with the sensitive hearing tests they perform. The only way to find out was to turn on the City M and hear for themselves, and they were pleased to find that the unit was silent enough for their sensitive work.

### THE SOLUTION

Camfil's air quality sensor Air Image was set up in the waiting room to measure the air quality before and after installation of the air purifier. But the plan changed slightly, as Hørbart unexpectedly (due to the large amount of rain that fell in February and the subsequent floods in the immediate area) experienced bad odour nuisances from the lavatories. Camfil suggested installing the City M unit in the restroom as the first part of the test, and the odour nuisances were very quickly removed to great relief and satisfaction for Hørbart.

### THE RESULT

Subsequently, the City M was installed in the waiting room. Prior to installation, the Air Image had measured the particle concentration to  $5 \mu\text{g}/\text{m}^3$  (corresponding to approx. 50 million particles/ $\text{m}^3$ ), and after installation of the City M, a significant reduction of particles as low as  $0.7 \mu\text{g}/\text{m}^3$  (corresponding to approx. 6.4 million particles /  $\text{m}^3$ ) was observed within a short time.

The measurement itself shows how improving air quality is related to Hørbart's experiences of the positive air changes in the hearing centre. The City M air purifier is therefore now in its permanent place in the waiting room at Hørbart, where it effectively cleans the air for the benefit of all.



*"I was a little skeptical at first, but I'm very surprised by how extremely effectively the bad smell was removed. We are really thrilled about that. And we can actually feel a difference in the air in our waiting room. It's difficult to describe, but the room smells different, in a way, cleaner. It's as if the air is lighter. And the unit is very quiet and does not disturb. We are very impressed that the City M air purifier has shown its efficiency in such a short time."*

**STINNE MØLLER NORDSBY,  
OWNER OF HØRBART**



The 2 owners of Hørbart, Stinne Møller Nordby og Bettina Bloch-Hamre.