



**Client:**  
Medical Centre

**Location:**  
Limburg, The Netherlands

**Date:**  
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**Sector:**  
Hospital

## CAMFIL AIR CLEANERS EFFECTIVELY REMOVES HYDROGEN PEROXIDE (H<sub>2</sub>O<sub>2</sub>) FROM HOSPITAL ROOMS AFTER DECONTAMINATION

AN ULTRA MODERN AND TECHNOLOGICALLY ADVANCED MEDICAL CENTRE VOTED FOR BEST HOSPITAL IN LIMBURG, THE NETHERLANDS IN 2014.

### ABOUT THE PROJECT

Hydrogen Peroxide (H<sub>2</sub>O<sub>2</sub>) is being used to decontaminate nursing rooms, recovery rooms and operating theatres. The process time to decontaminate rooms usually takes approximately 1 hour (depending on size and contaminant). During the process, the room is shut off from the HVAC and completely sealed off. A H<sub>2</sub>O<sub>2</sub> fogging equipment is installed inside the room and will be operated from the outside. After decontamination, it normally takes 12 to 48 hours before the hospital could use the room again due to the H<sub>2</sub>O<sub>2</sub> levels. Rooms can only be ready for patients when the level is at 1 ppm.

### SOLUTION

Using CamCleaner CC2000 with special molecular filtration upgrade. A remote control was used to switch the CamCleaner on and off from outside the room.

### RESULTS

With the CamCleaner, it took only 10 mins to go from 115ppm to 37ppm (normally 3 hours) and in total it took 2,5 hours before H<sub>2</sub>O<sub>2</sub> levels reached 4ppm. At 6ppm employees are already allowed to enter the room briefly without protection.

Before CamCleaner was in the picture, the hospital could not use the room for a maximum 2 days, which was a high financial cost for the hospital.



### ABOUT CAMCLEANER CC2000:

- Size: 750 x 1,070 x 260 mm
- Air volume: max 1,600 m<sup>3</sup>/h
- Air purification area: max 300 m<sup>2</sup>
- Pre-filter + HEPA filter with carbon filters available as optional extra.