

CASE STUDY

Lille University Hospital

Situation:

In French hospitals there are a variety of regulation that determine the quality of air that must be meant in an operating theatre and dentistry before an operation can be performed. Normally the hit the required ISO class 6 standard, it takes 3 hours for the hospital to wait. This contributes to long wait times and waiting lists that have already been impacted by the Covid-19 pandemic.



Bacterias



Viruses



Pollutants



Dust



Sulphur dioxide



Nitrogen Dioxide

Solution:

In order to combat these long waiting times Lille University Hospital placed a HA800 unit in the surgeries to clean the air. The Healthy Air 800 purifier is equipped with our own DNO-Catalyst technology which completely breaks down harmful particles in the air. Combined with our CFD (Computation Fluid Dynamics) air flow technology it can bring healthy air to every corner of the room, without creating any dead spots.



Outcome:

By using the Healthy Air 800 purifier, wait times between surgeries in the hospital were brought down from 3 hours to 13 minutes, a significant improvement for staff and health outcomes of patients. The hospital has now bought and begun using HA800's in their new baby-wards alongside the IVF operation rooms, two areas with air quality and comfort are extremely important.



"After our assessment, the HA800 medical unit started to get used in various part of the hospital, dental surgery, immune-depressed patient room (hematology)....

The supply of the tests confirming the performance of the HA800 against the chemical pollution of the air, convinced the Lille hospital to install the unit in the in vitro fertilization department, as in vitro fertilization is really sensitive to air pollution.

Finally we have, based on the former experience, equipped several dental surgery boxes both in the hospital but also in the dental surgery faculty where the future dentists are trained.."

Lille University Hospital

This technology is unique to our machines and is **the most effective and safe form of air purification, being certified to completely destroy pollutants.**



Smart control technology

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