



Client:
Hospital

Location:
Mid-West Ireland

Date:
September 2013

Sector:
Healthcare

SOLVING IAQ PROBLEMS IN THE HEALTHCARE SECTOR

THE PROBLEM

The Hospital, in the Mid-West of Ireland, has been a long term customer of Camfil, in regards to the supply of high quality air filters. The Hospital was going through some facility upgrades which included the building of a new hospital wing. As the Hospital was staying open through these construction works, there was a huge concern about the Indoor air Quality in the hospital and how it may affect patient health. After hearing about this problem Camfil approached the hospital to find out if they could offer a solution that would help alleviate their concerns.

SITUATION

As part of this problem the hospital wanted a solution that could use 50% of fresh air from the outside as well as purifying and recirculating the remaining 50% of the air from inside the hospital rooms. The hospital noted that it needed a solution that had low noise levels and that would use a low amount of energy as the units would be in the patient's rooms. The Hospital was approached by two different Vendors (Camfil Ireland and a competitor). The Competitor approached the hospital with an air purifier solution that had been used in other hospitals around Ireland to address similar concerns.



CAMCLEANER 800

CAMFIL CASE STUDY

ADVANTAGES

As part of the purchasing process the hospital asked for demonstrations of each unit as well as a plan of how each unit would achieve its objectives. Camfil proposed the CamCleaner 800. The CamCleaner range of air cleaners has a patented design which allows it to filter air from two separate directions.

Camfil proposed wall mounting the air cleaner and having one side ducted to the outside which meant fresh air would be taken from the outside, filtered through the 3 stage filtration solution (including HEPA filtration) and redistributed the air around the room. The remaining 50% of air was made up from air inside the room. With this solution, windows in the hospital rooms could be sealed shut as fresh air would pass through the air purifier before being distributed around the room.

As the Competitor's solution did not have two way air intake the goals could not be achieved through one single unit. Instead the hospital would need to purchase two units of the competitor's product for each room.

Another concern for the hospital was the noise levels. Through tests of both units the Camfil air cleaner proved to be the unit with the lowest noise levels.



RESULTS

The Camfil air cleaner was shown to be the superior product, with low noise levels and low energy consumption it ticked all the boxes the hospital required it to achieve. The Hospital purchased 30 units of the CamCleaner 800 to be used throughout the hospital. It has been noted by hospital personnel that since these were installed in January 2013 there have been no complaints from patients and the CamCleaners have yet to be turned off (as of September 2013).

The CamCleaner has now been put on the hospital's recommended list for procurement which means that in the future any air purifier being used in the hospital will be from the CamCleaner range. Hospital staff and patients alike are benefiting from this installation.

Camfil now offers a full maintenance package for the CamCleaner which has been taken up by the hospital. Camfil perform planned maintenance checks as well as replacing the filters in the Units, when they are required.

Facts on CamCleaner 800

- Clean, stored products, reduced operational downtime
- Less cleaning required
- Low energy costs
- Reduced environmental impact
- Healthier employees
- Uniform temperature distribution, even in spaces with high ceilings
- Reduces tobacco smoke, welding fume emissions, building dust, asbestos, Aspergillus, and particles of all sizes up to ultra-fine

