

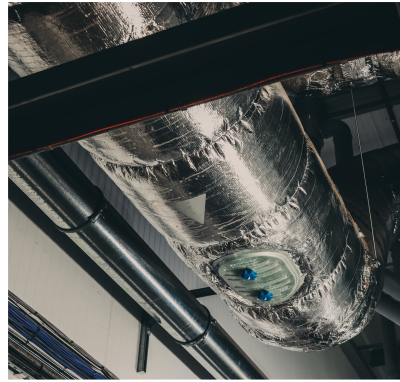
# COVID-19 Air Filtration Upgrade

## CHALLENGE



We were contacted by the Head of Engineering at a large UK food manufacturer, which had to temporarily close due to a large number of confirmed coronavirus cases on site. He wanted us to upgrade the level of air filtration across a number of buildings to prevent any further outbreaks and ensure the site was completely safe for staff to return to.

The manufacturer is supplier to some of the most well-known food retailers and other outlets in the UK. We assessed the site's requirements, taking into account any additional safety precautions for carrying out the work and made our upgrade recommendations to the customer. We also agreed a COVID-19 protocol with the site.

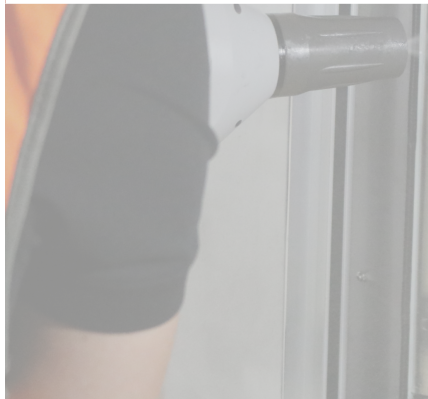


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## SOLUTION

### FOOD MANUFACTURING INDUSTRY



As time was of the essence and we had the required filters in stock, our engineers started work on site the next day.

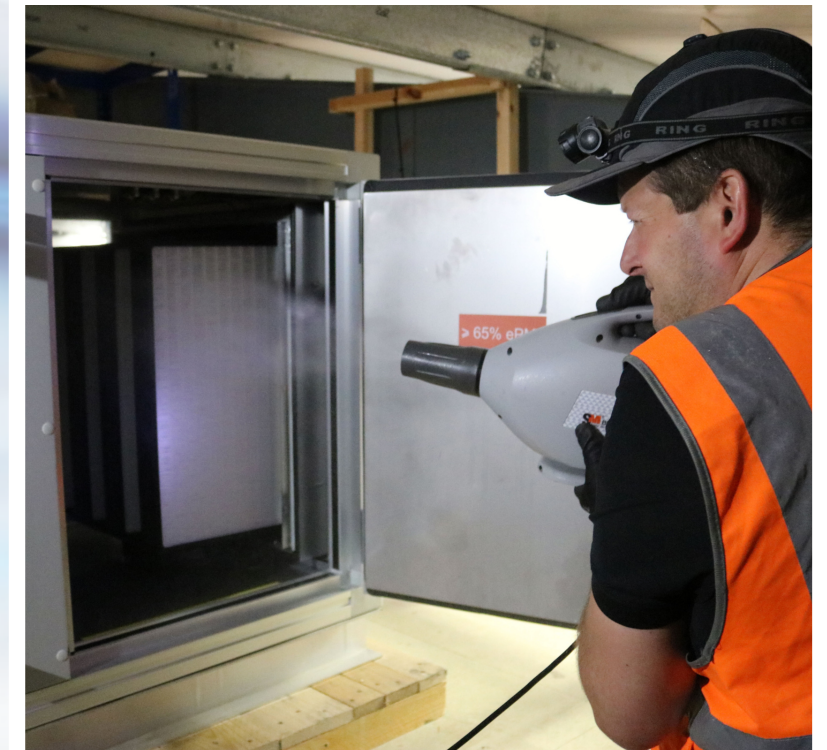
HVDS engineers fogged the air handling units (AHUs) with a market leading solution prior to removing any filters.

The solution we used is a specifically developed and fully tested hospital grade cleaning agent that kills 99.99% of all known viruses and bacteria, including coronavirus. As it contains no harmful chemicals, bleach or alcohol and is 100% food safe, the agent is entirely suitable for use in food production areas.

Once the fogging process was complete, we removed all stages of filtration from the AHUs and placed the contaminated filters in sealed bags for disposal. Then the AHUs were deep cleaned and sanitized using a food safe cleaning agent.



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### SOLUTION CONT'D

### FOOD MANUFACTURING INDUSTRY



New H13 HEPA filtration was then installed. Following the installation of the new filters, the AHUs were fogged once again to eliminate any remaining bacteria and virus particles.

Before commencement and after completion of the work, surfaces of the AHU can be swabbed and tested for contamination. This helps eradicate any remaining contaminant particles.

After working closely with the customer to help safeguard their workforce against future coronavirus outbreaks, the plant has subsequently reopened and production is once again underway.

