

## **CELSIUS DESIGN FRESH AIR SYSTEM TO COMPLY WITH NEW CIBSE COVID-19 REGULATIONS**

Meadow Vale Foods, a supplier of quality, frozen poultry products contacted Celsius to look at introducing a fresh air system into their offices based in Wrexham, that would comply with the new CIBSE Covid-19 regulations and minimise the risk of bacteria and viruses spreading around the workplace.

CIBSE have recently advised in order to reduce the risk of Covid-19 within a building space such as an office, the user must increase the air supply and exhaust ventilation, supplying as much outside air as is reasonably possible.

Meadow Vale Food's current office ventilation consists of air conditioning split systems; these type of units only recirculates the air within the office space, allowing potentially harmful bacteria to spread very easily around the facility.

To prevent the recirculation of stale air, Celsius installed 6 no. heat recovery units for each office. A heat recovery system is an approved method by CIBSE and complies with the new Covid-19 regulations. This type of system introduces fresh air from outside and extracts the stale warm air from inside the offices. The system simultaneously extracts the warmth from the air being removed which in turn heats the fresh external air being introduced, creating a low-cost way of heating the offices during the winter months.

Celsius undertook the complete installation, including builders work, electrics, control equipment and final commissioning. All work was carried out during normal working hours with no disruptions to Meadow Vale Food's daily operations.

