

COVID-19 and Building Services

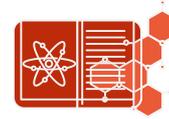


HOW ESP CAN HELP YOU

CAN BUILDING SERVICES AFFECT THE SPREAD OF COVID-19?



Air ventilation systems have always had the ability to influence viral output; virus particles from any respiratory virus can potentially be circulated by HVAC systems throughout the year. The concern for COVID-19 is more extreme because there's no vaccine available, and immunity is largely at risk, even with everyone practicing social distancing measures.



A newly published study found that nine people were infected with COVID-19 simply by sitting near a HVAC vent in a restaurant in Wuhan, China, where the coronavirus was first identified. The study examined how one asymptomatic diner managed to impact diners around their vicinity as infectious droplets were re-circulated by the HVAC system.

So, if building air ventilation systems can cause a risk, what practical steps can be taken?

The Federation of European Heating, Ventilation and Air Conditioning Associates have a number of strategies for reducing risk from COVID-19 in buildings. Reducing risk is vitally important when staff are returning to their places of work. The strategies take into account the following:

- 1 Building ventilation rates
- 2 Ventilation operation
- 3 Natural ventilation
- 4 Building usage
- 5 Plant inspections
- 6 Maintenance
- 7 Building occupants instruction and regime
- 8 Return to work safeguarding

Other measures may include



Relocating staff



Reviewing the building usage



Review home working



Agile business spaces



Phased working times/days

Our in-depth knowledge and experience can help you

ESP Ltd has a proven track record delivering innovation and is at the forefront of engineering solutions to assist you in mitigating and reducing your risk. ESP are already working on solutions for our existing client base, including the following:

- Practical steps for returning to work
- Relocating staff from one building to another
- Building closures
- Agile working, social distancing working
- HVAC plant upgrades to reduce risk
- Sustainability opportunities from Plant upgrades
- Energy assessment considering new ways of working
- CO₂ assessment in buildings

ESP Ltd have continued to provide a first class service throughout this pandemic and will be at the forefront of engineering solutions as the Lockdown is eased and the country returns to work.

Get in touch to find out more



darryl.kent@espltd.co.uk

+44 (0)7801 208 177

www.espltd.co.uk