

Ask ME

ABOUT INSIGHTS FOR M&E CONTRACTORS

The following topics highlight key conversations required on our UK journey to net zero.

Mitsubishi Electric have a national team available to support M&E contractors when it comes to these conversations and providing the right low-carbon HVAC solutions across a range of commercial projects.



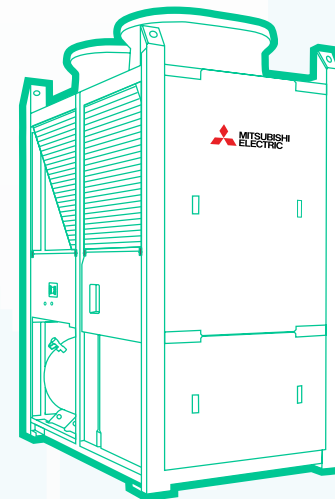


CARBON

Reducing the carbon footprint of our commercial buildings is critical for the UK to reach its net zero targets. M&E contractors play a crucial role in delivering this goal by collaborating with suppliers.

Decisions around HVAC equipment selection (embodied carbon), installation techniques and maintenance programmes (operational carbon) all affect the environmental impact of our buildings (whole life carbon).

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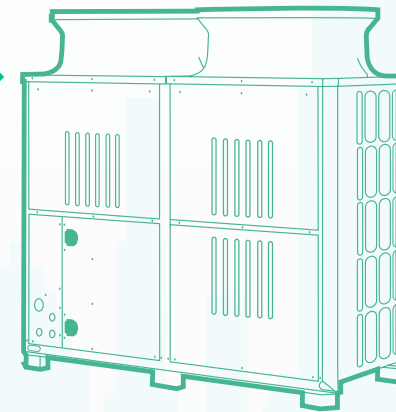


DECARBONISATION

Fossil fuel heating and hot water systems account for 40% of UK carbon emissions. Decarbonising our heat is one of the most important steps we must take to achieve net zero.

M&E contractors are at the forefront of the low-carbon heating revolution. By advising clients and customers, you can help to reduce our reliance on gas and oil for heating and hot water.

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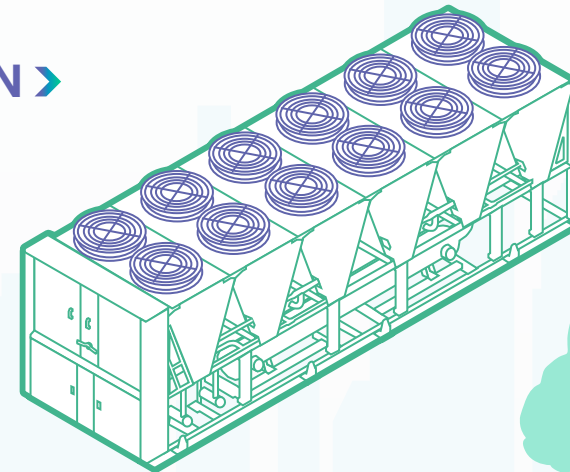


NET ZERO

In June 2019, the UK became the first major economy in the world to introduce a net zero emissions target into law. The national objective is to “bring all greenhouse gas emissions to net zero by 2050.”

Buildings are responsible for around 17% of our national emissions. Reducing this is vital if we are to meet that 2050 deadline. M&E contractors play a critical role in making that possible.

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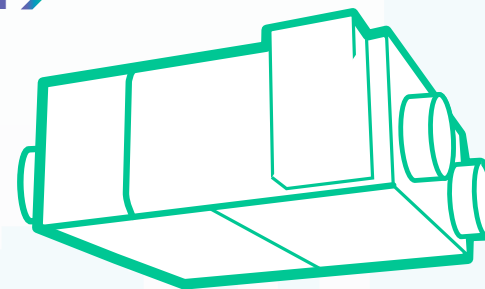


INDOOR AIR QUALITY

With greater focus on health in our workplaces and homes, indoor air quality (IAQ) has become a key issue for homeowners and building managers alike.

M&E contractors are central to delivering good IAQ, and their ability to design and deliver efficient and effective ventilation systems is vital.

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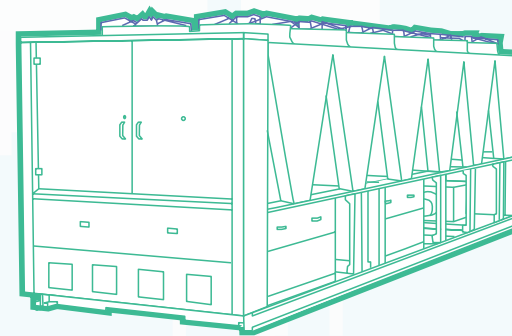


F GAS

F gases, or fluorinated gases, are powerful chemicals that trap heat in the earth's atmosphere, contributing to global warming and climate change. The European Union introduced the F Gas Regulations to cut the use of these gases and reduce their release into the atmosphere.

The UK is following EU regulations in this area, so it's essential for M&E contractors involved in the delivery of any HVAC system that uses refrigerants to have a clear understanding of these rules.

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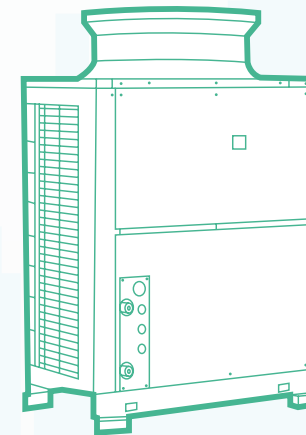


RETROFIT

The UK's retrofitting activity has gone into overdrive as buildings from offices to universities and hospitals are updated to meet requirements on carbon reduction and energy performance.

HVAC systems are often at the core of these upgrades, particularly where building owners are switching away from fossil fuel systems to modern, low-carbon heat pump technology. M&E contractors take a key role in delivering these updates.

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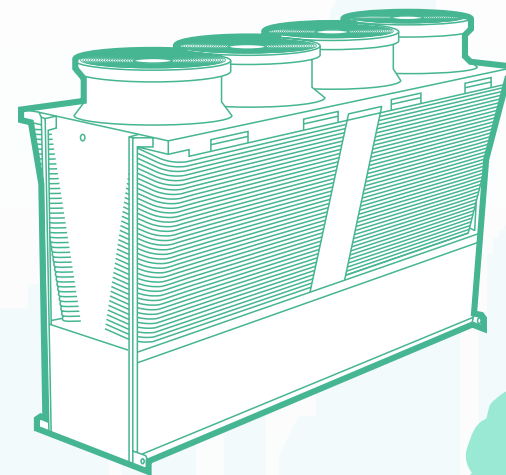


ENERGY EFFICIENCY

The UK Green Building Council points out that 71% of UK built environment emissions are produced from operational emissions, from energy needed to heat, cool and power our buildings.

Delivering HVAC systems that are efficient over their lifetime can greatly reduce that figure, which is why M&E contractors need to understand their role in this story.

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SUSTAINABILITY

A sustainable building is one that is energy efficient and low-carbon. It should also meet the needs of occupants by providing a healthy and productive environment.

All these factors fall into the remit of M&E contractors, who are at the heart of delivering sustainable buildings.

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