

## CASE STUDY

# MITSUBISHI ELECTRIC AIR CONDITIONING INSTALLATION IN CENTRAL ESSEX



**Air options partnered a well know Essex based building contractor in refurbishing a prominent city centre headquarters. Air Options were short listed from a long list of HVAC firms and were appointed based upon ownership of design, qualification and offering good value for money.**

Our design team were able to meet all current building control requirements and engineer a solution that would allow the incoming tenant to modify and adapt the system to suit their specific fit out requirements. A high quality 'Category A' fit out has been produced with varying future uses in mind future proofing the building for the term of the plant. Energy efficiency is a key consideration and the technology introduced offered substantial savings over the existing obsolete installation. Energy efficient if engineered effectively can also be tax efficient, and go hand in hand, in meeting the requirements of the Carbon Trust in qualifying for enhanced capital allowances ( ECA's ).

Whilst the technology and equipment installed is state of the art, grilles and diffusers often go overlooked. Careful consideration was given to diffuser layout and selection to minimise the nuisance of draughts.

Ducted fan coils, connected via a low velocity ductwork infrastructure to swirl diffusers minimises noise and draught levels, maximising comfort levels .

- Manufacturer Supported Products.
- Improved efficiency, lowering carbon emissions and reducing energy costs
- Latest controls strategy.
- Flexible, upgraded system with additional units installed.
- R410a refrigerant in line with current industry standards.

|                              |   |
|------------------------------|---|
| Building:                    | 32,000 sq/ft 4 storey office Refurbishment          |
| Location:                    | Central Essex                                       |
| Manufacturer:                | Mitsubishi Electric                                 |
| Heating & Cooling:           | Simultaneous Heating & Cooling                      |
| Ventilation:                 | Heat Recovery Meeting Building Control Requirements |
| Appointment Objectives:      | Assess, Consult, Design & Install                   |
| Engineering Achievements:    | Scalable, Flexible & Modular                        |
| Energy Savings:              | 30% when compared to existing                       |
| Enhanced Capital Allowances: | Yes   |
| Budget:                      | Value Engineered circa £500k + VAT                  |
| Timescale:                   | Delivered Ahead Of Programme                        |
| Project Success:             | 100%  |

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No matter how large or small your project may be, call Air Options today on **0800 0188423**

