Mitsubishi Electric

Anyone involved in designing, installing, commissioning or operating building services will be aware of the significant changes that are happening to the way we heat, cool and ventilate our buildings.

Legislation such as EPC (Energy Performance Certificates) and MEES (Minimum Energy Efficiency Standards) are pushing building operators towards ensuring that their buildings do not waste energy – and that they can clearly demonstrate it through industry standards such as BREEAM and the Home Quality Mark.

With buildings accounting for 44% of all UK greenhouse gas emissions (which is more than industry or transport), this is hardly surprising.

Whilst we are now creating new low carbon buildings, around 75% of existing buildings will still be in use in 2050, so to a large degree, our future is already built.

Part of the answer therefore must be improving the energy efficiency of existing buildings, which can quickly make a dramatic difference.

The good news is that many of the solutions that can help are affordable, scalable and available right now.

Commercial & Domestic Heating

With an advanced range of air source, water source and ground source heat pumps scalable from 4kW to 960kW, there is an Ecodan heat pump available for almost any situation.

Domestically, the Ecodan range has been installed in new-build, refurbishments, listed buildings and tower developments.

The new Ultra Quiet Ecodan unit has been designed to satisfy domestic premises permitted development standards (MCS020), and the market leading low noise levels virtually eliminate the need for planning permission and maximises installation options.

The domestic range is also fully endorsed with the Noise Abatement Society’s Quiet Mark.

Commercially, Ecodan is being used to provide renewable heating for a variety of commercial buildings, industrial processes, schools and also in community heating schemes.

All Ecodan installations are also eligible for the Renewable Heat Incentive and include Wi-Fi enabled apps for remote monitoring and control from anywhere in the world.

Mechanical Ventilation with Heat Recovery (MVHR)

Lossnay MVHR systems recover valuable heat energy from extracted stale air to maximise efficiency and improve indoor air quality.

Systems are available to suit any building, from a single dwelling to a large office complex.

CPD Guides

With a unique position at the heart of the construction industry, the company has also set out to help inform and educate people on the issues that affect us all.

This has led to the publication of over 60 CPD Guides on legislation and technology.

These free guides aim to help those involved in designing, constructing and maintaining the buildings that we as a nation need, by providing the details to make an informed decision.