

Do you need to reduce your Energy Costs?

Dublin, Ireland 1ST December 2015

Mitsubishi Electric is one of the world's leading names in the manufacture and sales of electrical and electric products and systems used in a broad range of fields and applications. As a global, leading green company, we're applying our technologies to help reduce energy consumption and contribute to society and daily life around the world. At our Irish headquarters in Ballymount Dublin, Mitsubishi Electric concentrates its energy saving efforts on three specific divisions; **Air-conditioning, Heating and Factory Automation.**

Air-Conditioning

Mitsubishi Electric is a world leader in air conditioning systems for residential, commercial and industrial use. Challenged to create air conditioning systems that provide exemplary performance in the wide-ranging climatic conditions found throughout Europe, Mitsubishi Electric engineers develop amazingly sophisticated yet durable units and systems capable of constant use under virtually any natural climatic condition on earth. Each product delivers years of quiet operation, energy-efficient performance and minimum impact on the environment.

A wide variety of indoor unit designs and outdoor unit capacities ensures the flexibility to meet the most challenging of air conditioning needs. From aesthetic wall-mounted and floor-standing designs to ceiling-recessed cassettes, abundant options are available to match virtually any interior design. Many systems are equipped with the "I-see sensor", an original Mitsubishi Electric technology that realises better air conditioning control. This is combined with other industry-leading energy-saving and silencing technologies to produce air conditioners that provide optimum and efficient performance and room comfort wherever they are installed.

Heating

Air source heat pumps absorb heat from the outside air, irrespective of temperature. This heat can then be used to heat radiators, under floor heating systems, or warm air convectors and hot water in your home. As a market leader in commercial and domestic renewable solutions, Mitsubishi Electric pioneers the development of renewable heat pump technology that offers improved energy efficiency and meets tough legislation. Heat pump technology has been used around the world for decades and Mitsubishi Electric have developed this

technology to produce Ecodan - one of the most advanced, efficient heating systems available today.

The Ecodan heat pump range is suitable for everything from a small domestic to a large application and can provide water temperatures of up to 60°C (without backup electric heater) in ambient temperatures as low as -25°C*. Using proven inverter driven heat pump technology to deliver effective, low carbon heating and hot water, for each 1kW of electricity fed into an Ecodan heat pump unit (i.e. the outdoor part of the Ecodan heating system), 4kW of heating energy is produced. Mitsubishi Electric's award winning Ecodan systems provide a simple, renewable solution that rivals traditional heating systems.

Factory Automation (FA)

Offering a vast range of automation and processing technologies, including controllers, drive products, SCADA, power distribution and industrial robots, Mitsubishi Electric FA helps bring higher productivity—and better energy management—to the factory floor.

One of the simplest ways to make huge energy savings is through the use of Variable Speed Drives (VSDs) in controlling pumps and fans. Mitsubishi Electric has just released its latest VSD technology, the FR-F800, to the market. The FR-F800's on-board intelligence virtually eliminates nuisance trips, makes set-up easy and can achieve energy efficiency of up to **98%**. It includes many advanced features for specific industries and applications such as water/wastewater processing, compressors and HVAC.

Improving energy efficiency for an already efficient product is all about making small advancements on many fronts and the Mitsubishi F800 has a wide range of dedicated features and functions that create efficient operation. For example, during standby all unnecessary circuits are shut down to reduce energy usage. Advanced Optimum Excitation Control (AOEC) maximises energy savings even for high torque loads, while intelligent cooling fans only activate when required because a set point temperature has been reached.

For more information on how you can save on energy costs contact Mitsubishi Electric on 00353 1419 8800, email sales.info@meir.mee.com or visit www.mitsubishielectric.ie



Image Caption: Mitsubishi Electric Ireland can offer you a wide range of products and solutions to help reduce energy consumption.

Source: Mitsubishi Electric Europe B.V. Irish Branch. Images can only be used with the accompanying press release.

Picture 2



Image Caption: Ecodan Heat Pumps – comforting, warming, efficient.

Source: Mitsubishi Electric Europe B.V. Irish Branch. Images can only be used with the accompanying press release.

Picture 3



Image Caption: Mitsubishi Electric Energy saving Variable Speed Drives.

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About Mitsubishi Electric

With over 90 years of experience in providing reliable, high-quality products to both corporate clients and general consumers all over the world, Mitsubishi Electric Corporation is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, as well as in products for the energy sector, water and waste water, transportation and building equipment.

With around 129.000 employees the company recorded consolidated group sales of 36,0 billion US Dollar* in the fiscal year ended March 31, 2015.

Our sales offices, research & development centres and manufacturing plants are located in over 30 countries

Mitsubishi Electric Europe– Irish Branch is located in Dublin, Ireland. It is a part of the Mitsubishi Electric Europe B.V., a wholly owned subsidiary of Mitsubishi Electric Corporation, Japan.

The role of the Irish Branch is to manage sales, service and support across its network of local distributors and dealers throughout Ireland.

Further Information:

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