

Press Release

Eurotech Renewables Ltd Wins Inaugural Geothermal Heating Installation of the Year Award 2011

Limerick 15 October 2011

Eurotech Renewables Limited was awarded the inaugural Breacan Mooney domestic geothermal heating installation of the year award 2011, for the innovative geothermal heating system it installed in Sean and Mary McDonald's home in county Louth, at a prize giving ceremony in Vistakon's Limerick plant on Saturday 15 October 2011.

The system installed in Sean and Mary McDonald's home by Eurotech Renewables Limited uses an open loop system comprising 2 wells. The first well takes water from the ground which then passes through a heat exchanger connected to 2 'Ochsner' heatpumps. Thermal energy is extracted from the groundwater for the purposes of heating the house. A third heatpump extracts heat from the bathroom exhaust air to heat the domestic hot water. The cooled water is then recharged back into the ground through the second well.

The standard of installation in this project is exceptional. All heating plant and ground wells are easily accessible for maintenance and observation. The heating pipework systems are fully insulated and all equipment is clearly labelled. Operating instructions and installation manuals provide clear guidance on system use. The operation of the heating system is very efficient, resulting in a low energy, low cost system for the owners. The primary energy operational rating of this house is 88kWhrs/m² each year, placing it at B1 on a building energy rating scale. The installation is saving 8,053kgs of CO₂ emissions per annum when compared to a heating system that uses oil fired heating. Analysis of the system's energy performance characteristics indicates that the cost of heating the house is at least one third of that which would have arisen from using an oil fired boiler.

The home owners are delighted with the clean, quiet and effective operation of their geothermal heating system. They are proud to be owners of a system that has low CO₂ emissions when compared to conventional systems. Sean and Mary McDonald both feel the comfort levels in this house are very much improved from any house they have ever lived in before.

Eurotech Renewables Ltd. is a sustainable heating solutions company focused on the effective use of renewable energy. Eurotech are dedicated to providing high quality renewable heating solutions, delivering lowest possible running costs to commercial, public and private sectors. Eurotech Renewables Ltd. are located at Rossullus Walk, Castleblayney, Co. Monaghan. Email info@eurotech-heating.com, Tel 00353(0)429749479, Contact: Gerard Duffy.

The Geothermal Installation of the Year award is named in memory of Breacan Mooney, who was active in the research and promotion of Geothermal Energy in Ireland up to his loss in November 2009. This award aims to continue Breacan's work by showcasing excellence in

geothermal systems design and installation in Ireland. In this, the inaugural year of the competition, the award is being presented for the best domestic heating system in operation since before Jan 2010, submitted for assessment in 2011.

Certificates of merit were also awarded to the following companies and home owners for installations that were of comparable quality and performance to the winner and deemed to be worthy of recognition and promotion:

- Wind Water Solar Energy Systems Ltd. for Jochen Gerz and Laurence Vanpoulle of 'DerryQuin', Co. Kerry,
 - Green Renewable Heating Ltd. for Anne Murphy of 'Castlequin', Co Kerry,
- and
- Alternative Heating & Cooling Ltd. for Nick & Anne Ross of 'Brook Lodge' Co. Cork

For more information in relation to the Breacan Mooney Geothermal Installation of the Year Awards, the Geothermal Association of Ireland and geothermal energy please visit www.geothermalassociation.ie, or contact the GAI Secretariat, c/o Groundwater Section, Geological Survey of Ireland, Haddington Road, Dublin 4, tel: 01 678 2780/2784.