



## All smiles at Giggles Creche, thanks to Ashgrove Renewables



Staff and children at Giggles Creche in Meath are all smiles after the highly successful installation of a new renewables heating system by Ashgrove Renewables.

As part of the Ballivor Community Childcare CLG based in Ballivor Co Meath, Giggles Creche aims to work alongside parents and families and – as the name suggests – provides a safe and fun environment, whilst maintaining a professional and affordable childcare service.

The Giggles Childcare Centre has the capacity to cater for up to 160 children and has 25 staff on board which includes fully qualified childcare professionals as well as receptionists, chefs and maintenance personnel. The Giggles offer full day care to children from 6 months old to school age as well as both an indoor and an outdoor pre-school. They provide also

after-school care all year round. Children can avail of before and after school service or full days when schools are closed.

The group wanted to update its heating system so it turned to the experts at Ashgrove Renewables for a solution. The company has vast experience and a team of four B.Eng Mechanical Engineers designed the new system, which was then installed by Ashgrove accredited installers, Wensar Heating and Plumbing. The final commissioning was carried out by an Ashgrove Technical Engineer.



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As a result, the conventional gas system was replaced with high-efficiency, air-to-water twin heat pumps and energy-efficient weather compensatory control. The team installed two energy efficient Thermia Atec 16kW air source heat pumps in a master-slave system. This was combined with a 300-litre cylinder and buffer tank, a sensor kit, as well as accessories required to run two heat pumps in cascade.

The goal was to achieve a minimum of 50% savings in running costs compared to the previous conventional system. The feedback from the client has been positive, with Giggles stating

significant savings that have cut costs from 9,000€ to 2,600€ during a corresponding seven-month period.

*“What was needed was a lower running cost system. The weather compensation control is a predictive control and this helps increase the energy efficiency of the system.”* Peter Russell, Sales Representative at Ashgrove Renewables, explained and add: *“As the external temperature decreases, this causes increased heat loss from the building over a number of hours. The weather compensating control senses this change and increases the flow temperature in the underfloor heating pipes via a mixing valve. As a result, there is only enough energy utilised to replace the heat lost as a result in temperature changes, delivering an efficient and comfortable system with no over/under heating.”*

With offices in both the UK and Ireland, Ashgrove Renewables is able to offer a complete turnkey solution. Services include tendering, design, project management and commissioning.

In addition to these services, Ashgrove Renewables has developed a highly skilled network of Ashgrove Installer Partners all over the UK and Ireland.



A playroom

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commissioning. Our greatest resource is our 20 years of experience and the superior engineering capability of our technical support team in addition to our highly skilled network of Ashgrove Installer Partners all over the United Kingdom & Ireland.

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