

**Project:** Damien Murtagh Arch.

**Location:** Portrane, Co. Dublin.



**Area:** 521m<sup>2</sup> of Eurotech Fastfloor heating on two levels

**System:** Eurotech 'A' rated heating solution  
Eurotech Fastfloor heating  
EuroSmart heat management  
Ochsner ground source heat pump  
Ochsner Air source heat pump  
Kingspan solar contributing to pool or hot water

**The Brief**

A family home with strong emphasis on sustainability, nature and the environment to heightens the children's awareness of such issues.

**How we did it**

Eurotech used the Ochsner Air thermal to heat domestic water and swimming pool with Ochsner geothermal ground source for space heating designed to assist each other on demand.

The EuroSmart heat management system ensures efficiency by selecting the best energy source.

**Electricity cost to drive heat pumps - heating pool, House heating – hot water heating**

Heating cost Per Year: €2,963