

NEWS

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Engineering First Creates Super Luxury, Super Energy Efficient Pool

This state-of-the-art pool is probably the most energy efficient private pool built in the UK. This 20 x 3 metre minimalist pool runs on a fraction of the cost of an indoor pool of equivalent size. The pool features sleek lines with high quality stainless steel floor inlets that allow heated water to return to the pool, giving an even flow to the linear letter box surface draw system set 40mm below deck level.

The pool is housed in a purpose built, fully-insulated barn which locks in heat. The roof is covered with 80 photovoltaic panels generating electricity. Electrical energy powers the plant which operates the ground source heat pumps providing all the heat needed for the pool hall and pool water, which remains at a constant 28°C.

All plantroom equipment has been



insulated – Foamglas was used to insulate the sub level, and pipework, ductwork and filters are insulated with foil-coated glass fibre. The filters use glass bead media for high performance filtration with expected lower energy consumption.

The low energy consumption theme is carried through to the pool lighting with EVA Optic highly efficient LED lighting.



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