

**Press Release
For immediate Release**

“Heating with Ice” – Stommel Haus using New Technology Sustainable Heating System for their New Show Home

Stommel Haus, German Premium Manufacturer of high quality, energy efficient bespoke timber houses are finishing their show home in Cologne heated with “Solar Ice”¹.

Neunkirchen, Germany, April 2012

The new show home of Stommel Haus, which is currently being finished in the show home village near Cologne, will be heated with a new high-tech system using **solar and ice energy**. It will be open for the public from June 2012. Besides the fantastic architecture of the open plan, airy and light contemporary timber house and the typical top quality of Stommel Haus, the novelty of this house is its heating system “Solar Ice”. The heating system linked to the under-floor heating on all floors of the house provides the warmth in the winter and cools the house in a hot summer. The full height windows, the glass front over two storeys on the front elevation and a sun-room provide lots of light for the house with 4 bedrooms and around 200 m² living space.

The house uses the “Solar Ice” heating system. “Solar Ice” uses several means of sustainable energy: In the summer the heat gained from the surrounding earth and the heat of the solar thermal panel on the roof is stored in the Solar Ice water storage buried in the ground. When the cold season starts, the water in this water storage is slowly cooled down. “The heat difference during this process is used by the heat pump to generate heat for the under-floor heating and the hot water”, explains MD Ralf Stommel. At the end of the heating period, the opposite process starts and the ice, which is created during the winter period, melts due to the rising temperature of the soil and with support from a solar thermal collector on the roof of the house. “In the same way the heat energy was stored in the “Solar Ice” storage, the cold of the water storage can be used to gently cool the house in a hot summer”, Mr. Stommel explains. The efficiency and performance of the system makes it one of the most efficient geothermal systems on the market. This novel heating system is already successfully in use by various German Stommel Haus clients in Germany.



Ralf Stommel, MD of Stommel Haus, during his topping-out ceremony for the new show home

Barbara Fischer-Clark, UK agent for Stommel Haus states: "We believe that the new show home using the latest sustainable heating technology will attract the interest of a lot of consumers. The architecture of the house is beautiful, the light and space of the house make for a wonderful space. We are looking forward to demonstrating the comfort, quality and energy efficiency of this wonderful 4 bedroom house to British consumers from June 2012."

¹ „Solar Ice“ or in German „SolarEis“ is a product of Isocal Germany.



About Stommel Haus

Ein Haus wie ein Baum.

Stommel Haus GmbH is a premium manufacturer of energy efficient, solid timber houses. With 40 years of experience, the family business has proven that building with solid timber, energy efficiency, contemporary design and the attention to quality are no contradiction but lead to providing a modern, ecological and high quality product.

Nestled in the small town of Neunkirchen-Seelscheid near Cologne, Stommel Haus develops and produces their certified timber houses with high precision CNC machines. The houses are transported on site where they are erected by qualified teams and made wind and water tight typically within 5-7 days. The under-floor heating, heat pumps and the interior are then fitted by German craftsmen with only high quality branded products.

Since their foundation 75 years ago, the Stommel family embraced this wonderful material, building timber houses for 40 years with an emphasis on ecological and energy efficient building not only enforced by German building regulations but by the enthusiasm for the natural and healthy material wood used for the benefit of the wellbeing of home owners.

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