



Huf Haus ©

## **Carbon neutral living without compromise**

Living in harmony with nature, in balance with the four elements – fire, water, earth and air.

This is the philosophy central to the latest HUF HAUS design, the ART 9, which was launched September 2008, in the company's show village in Germany.

HUF HAUS have successfully combined carbon neutral technology with their

renowned post and beam concept.

The new HUF house is heated and air-conditioned to technical perfection both economically and ecologically, meeting demands of the highest energy standards. HUF HAUS have yet again taken on the challenges of climate and environment. The new concept's solar energy system provides freedom from limited fossil fuels and avoids rising energy costs.

Solar and Photovoltaic modules are harmoniously integrated into the roof, combining ecological power production with demanding design, resulting in maximum efficiency without any visual compromises - an innovative solution to keep energy costs low and the environment clean.

An air source heat pump provides heating and air-conditioning for the whole house. No bulky radiators spoil the calmness of the sleek interior of the new ART9. Cooling and heating is achieved by dense under floor pipes, developed specially for the heat pump concept.

Gentle and comfortable heating is provided, creating a particularly pleasant and healthy interior climate.

In summer the heat pump is reversed – cooling the house down.

Not only the heating/cooling, but also the ventilation is carefully considered – a controlled ventilation system removes used air and replenishes with fresh, filtering out pollen and dust particles, and humidifying or de-humidifying as required.

Using renewable energy at all times, the fresh air can also be warmed in winter and cooled in summer, providing a healthy room climate – an intelligent system for an economical balance of energy.

HUF HAUS have also integrated an intelligent Home Technology System, with which heating, air-conditioning, water supply, lighting, TV/Audio systems and the intercom can be programmed in advance or spontaneously updated – making life with modern technology simple.

All components of the new HUF house ensure that the house is economically and ecologically heated, air-conditioned and ventilated, providing a unique lifestyle – Life in harmony!