

BUILD GREEN - POTTERS MEDE SPORTS PAVILION



Being "Green" is not about policies and committees, it is about practical changes that save energy.

Insulation The new Sports Pavilion was built to the highest "Eco-House" principles, with the maximum insulation incorporated in floors, walls, ceilings and the warm roof, and has minimal external windows. Low energy lighting throughout, and insulated double skin doors gasket sealed into their frames.

Solar Boost. The building has Solar Photovoltaic panels producing power that largely offsets the use, with surplus being returned to the grid. Solar Thermal hot water panels pre-heat the buildings water which is then heated to the required temperature by a large air-source heat pump.

Windows are all double glazed argon filled with thermal coating, and fitted with roller shutters for security and extra heat retention.

Air Source is used for all heating including underfloor in the hall, and hot water throughout. hot water is fed through a circulating main, so is always present at the taps to save wasting water waiting for the "hot to come through"

Rain water harvesting - runoff is stored underground and piped back into the building to feed toilet cisterns. All taps are non-touch and switch off automatically. That makes them more hygienic, and saves wasting water.

Ventilation. There are two separate Heat Recovery Ventilation Systems, one for the Hall, and one for the shower block. These capture heat from expelled stale air to warm incoming fresh air. They are so effective that the changing rooms require no auxiliary heating, depending on body heat and heat from the shower water.