

## HQ Office Building Hertfordshire

Calibre Climate Control have recently completed the largest UK installation of the revolutionary SolarCool Therm-X VRF system in a prestigious HQ building in Hertfordshire. This system uses solar energy to reduce electricity consumption even in overcast conditions, and provides heating and cooling to 3 floors of offices, using a mix of ducted and cassette type fan coils.

Ducted units provide high levels of comfort in the open plan areas via swirl diffusers to ensure excellent air mixing. Smaller offices or those with minimal ceiling voids are served by compact cassettes. The whole system is controlled and monitored by a centralised programmer to ensure optimum efficiency. ►



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► The VRF units are connected to an array of solar panels, each with its own set of sensors and valves to allow the refrigerant to flow through them whenever conditions are right to achieve energy savings. Calibre were involved right from design stages, with heat load calculations, zone planning, assessment of the existing equipment and the whole project management process.

The installation was extremely challenging, working in a busy occupied office building, but now that everything is up and running we have commenced energy monitoring to assess the savings. Our client commented that he and his staff have never been happier with the temperatures in the offices.

