

Outline Case Study



Site : Church , Kent

A traditional stone church dating from the Norman and Early English periods with later additions

Challenges : Listed Grade I.
Previously heated via electric oil-filled heaters some of which have been condemned.
Very poor levels of insulation.
Very high standards of making-good required to remove all evidence of trenching.
Church of England Diocesan Faculty.
Funding.
Protection of consecrated ground during groundworks.

Solution : Spatial heating via 1 x 24kW Ground Source Heat Pump.
Source taken from 4 x 112.5m bore holes in a collector field located in an adjacent churchyard.
Heating to be delivered via new under floor heating ensuring ground insulation.
ISO Energy assistance with multiple grant applications.

NB : Project not yet initiated pending grant application decisions (January 2009).