



Botallack Count House



The Count House at Botallack, Pendeen, in West Cornwall has been acquired by The National Trust and is currently being restored.

The exhibition and display area and the Warden's Office will all be heated using an EarthEnergy™ system. Three vertical boreholes have been drilled at the site - which is underlain by extensive unmapped mine workings.

The closed loops are taken back in trenches to the plantroom at the rear of the property. A BP005 water-to-water, heating only, heat pump from the French manufacturer Beutot and supplied by Clima-Gas, will feed the multi-zone underfloor system. The prime objective of the underfloor system is to provide a constant background temperature to keep the building dry and prevent deterioration of the displays.

A ClimateMaster reverse cycle water-to-air console unit from Clima-Gas Limited, will supply additional heating (and cooling - if it really gets too hot at Botallack) in the Warden's office. This project is supported by SWEB.

Ground Loop	<i>Trenches</i>
Heat Pump	<i>ClimateMaster</i>
Distribution System	<i>Multi-zone underfloor system</i>
Client	<i>The National trust</i>
Mechanical & Electrical	<i>D Chinery Consultants Limited</i>
Commissioned	<i>February 2000</i>