

Pengersick Castle, Cornwall Underfloor Heating System

HEATCOM
SMART HEATING SOLUTIONS



200W Underfloor
heating system



Praa Sands
Cornwall



Thermostat
controller



The Goal

Pengersick Castle in Praa Sands, Cornwall was undergoing essential refurbishment work to improve facilities for visitors at ghost nights and historical talks.

The Pengersick Historic and Education Trust who oversee the castle, decided to install underfloor heating to take the chill off these events for guests. cables and installation method and to sign off on the installations.

Bespook Heating

Rumoured to be one of the country's most haunted historic properties, Pengersick Castle attracts ghost hunters (including the TV programme Most Haunted) and historians.

The castle's tower dates back to approximately 1500 and what remains is part of a large mansion that existed in the 12th century.

As part of vital restoration work, the kitchen, often used for the ghost nights and historical talks, required improvement.

Due to the age of the building heaters could not be placed onto the granite walls so the castle's owners commissioned contractor GN Electrical of Porthowan, Truro to install an underfloor heating system beneath slate floor tiles to improve visitor's comfort.

About Heatcom

At Heatcom, we are specialists in electric heating solutions for indoor and outdoor environments.

Founded in Denmark, we deliver high-quality, energy-efficient, and easy-to-install systems to customers around the world. Our product range includes underfloor heating, ice and snow melting

The historic kitchen floor had been treated for water penetration and was in a poor condition following little restoration over the years.

Heatcom specified a 200W heating mat system for the high heat-loss space. GN Electrical installed the system which was supplied by G&R Electrical Wholesale in Redruth.

The mats were laid onto 20mm thermal insulation boards ensuring maximum energy efficiency and a faster warm-up time. Heatcom's flexible self-levelling compound was then poured on top to allow the slate floor tiles to be fitted onto an even surface.

The system is controlled by a 16Amp programmable NGT thermostat measuring energy consumption in pounds and pence.



The Result

The new underfloor heating system has taken the chill off events at Pengersick Castle, but has not prevented those mysterious cold shudders the property is well known for!

Project in detail

Date Installed

2014

Location

Praa sands, Cornwall

Client

pengersick Castle trust

System Supplied Through

G&R electrical Wholesale

Installer

GN electrical, truro

System Specifications:

- 200W/sqm underfloor heating mats
- 20mm thermal insulation boards
- Heatcom flexible leveling compound
- NGT programmable thermostat timer

