

Heating water supplies at an animal shelter

HEATCOM
SMART HEATING SOLUTIONS



Advanced
ice & snow systems



Driveway
Heating



Fully programmable
thermostats



The Goal

The goal is to provide the Donkey Sanctuary with a reliable winter-proof heating solution that keeps all water pipes and troughs operational during freezing weather. The system must stop pipes from freezing, avoid burst lines, and remove the need for staff to spend hours de-icing by hand. It should deliver consistent heat through trace heating cables, maintain water flow down to -15°C, and protect the animals by using cables that can be installed inside the pipes so they can't be damaged. The setup supports the staff's daily work by keeping water access stable across exposed outdoor areas and reducing maintenance during harsh conditions.

Heatcom's Solution via Heat Mat

The solution is a complete trace heating setup designed to keep the Donkey Sanctuary's water infrastructure running through harsh winter conditions. The system uses heating cables that apply consistent, targeted heat to pipes and troughs, preventing freezing and keeping water available at all times. For the exposed outdoor areas, additional heating elements support troughs that are more vulnerable to cold weather.

The cables can be installed inside the water pipes, which removes the risk of animals damaging the system and keeps the heat exactly where it is needed. This design keeps the pipes protected during temperature drops and stabilizes water flow even at -15°C. heating mats

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 installation reduces daily workload for staff, who no longer need to de-ice pipes manually, and it supports smoother operations across the site. The overall solution offers dependable winter protection, lower maintenance demands, and a safer, more resilient setup for the sanctuary's animals and their caretakers.

The Result

The result is a stable, winter-ready water system that keeps all pipes and troughs functioning during freezing conditions. Water continues to flow even in -15°C, and staff no longer spend time de-icing by hand. The trace heating cables protect the system from bursts, cut daily maintenance, and keep the animals supplied with water across the site. Installing the cables inside the pipes also removes the risk of damage from animals, which makes the setup reliable and long-lasting. Overall, the result is a safer, more efficient operation that frees staff to focus on essential work instead of emergency winter tasks.



Project in detail

Date Installed

2014

Location

Derbyshire

Client

Derbyshire branch of the Donkey Sanctuary

System supplied through

Heatcom solution via Heat Mat

