



Specialist heating for  
Zoos and Animal  
Sanctuaries



## Bespoke Heating Solutions For Zoos, Safari Parks and Animal Enclosures

Heat Mat is one of the UK's leading underfloor heating brands, supplying electric systems to the professional installation market and delivering bespoke solutions for a huge range of customers including zoos and animal sanctuaries.

Our unobtrusive heating systems are designed to provide targeted heat to supply animals with the temperatures they require, and can also be used to encourage different species to spend time in desired areas.

### Cheetah Rock at ZSL Whipsnade Zoo

Our systems were installed at Whipsnade Zoo in their Cheetah Rock enclosure to provide heating on top of specific rocks.

We specified our 7mm cable, suited to exterior applications, which provided consistent warmth for the mammals to make basking more pleasant whatever the weather.

The temperature of the rocks was controlled to guarantee that the animals basked in their enclosure and were easily visible to the zoo's visitors. Specific rocks positioned in ideal spots for observation were heated to offer a variety of reclining opportunities for the world's fastest felines.

All sensors and controls were hidden from view so they could not be damaged, but still allowed the systems to be externally controlled by Zoo Keepers.

### De-icing Derby Donkey Sanctuary

We worked with the Derbyshire branch of the Donkey Sanctuary to create a winter-proof solution to prevent burst or frozen pipes.

For this project we specified a Trace Heating system designed to ensure that the essential pipes supplying the Donkey's water troughs did not freeze when the temperature dropped or in adverse weather conditions.

We also supplied heating solutions for some of the animal's troughs in exposed locations around the site.

Trace Heating cables provide focused and controllable heat to prevent pipes from freezing and maintain process temperatures, therefore they are perfectly suited to outdoor applications such as water troughs and pipes.

The systems were installed to alleviate the need to de-ice the pipes by hand in winter or during freezing conditions and enable staff to carry out vital work elsewhere instead of spending their days out in the fields dispensing water.

The systems we supplied ensured that the water kept flowing even in temperatures as low as -15°C. For this type of installation we can supply heating cables that sit within the water pipes, guaranteeing animals cannot cause any damage to the cable (or themselves) as they might with external Trace Heating systems.

# Heat Mat

## Underfloor Heating

Call 01444 247020  
to find out more or  
visit our website at  
[www.heatmat.co.uk](http://www.heatmat.co.uk)

### Heat Mat USP's

- Wide experience with wildlife enclosure heating
- Innovative systems to provide targeted heat
- Ensure big cats spend time in the areas you want them to
- Warm up animal's dens and shelters
- Provide speedy defrosting of ice when cleaning out 'winter' habitats
- Hidden heating systems that are 'wildlife proof' and unobtrusive
- All products manufactured in UK and Denmark
- Scandinavian designed external heating systems suited to any weather conditions
- FOC site visits from an expert Account Manager and on going after care
- Technical support before, during and after installation
- Competitively priced products designed and made to order
- Discounted product available to registered charities
- Lifetime or extended warranties on all systems





# Dartmoor ZOO

## Helping Zoo's Find the Solution

We will initially work with you and your installer during the planning stage to specify a suitable bespoke system then guide you through the process. Our customer commitment and support is second to none, we are dedicated to making sure you receive the best possible service and value for money. During installation we will attend site and support your installer, offering technical assistance as required. This support will continue throughout the process and following completion.

## Bespoke Systems for any Species

The systems we can specify will offer a constant heat if required or a changing temperature throughout the day mimicking the animal's native environment. A programmable thermostat is fitted to control all systems, enabling keepers to make temperature changes and react to the ambient atmosphere temperature.

## Technical expertise

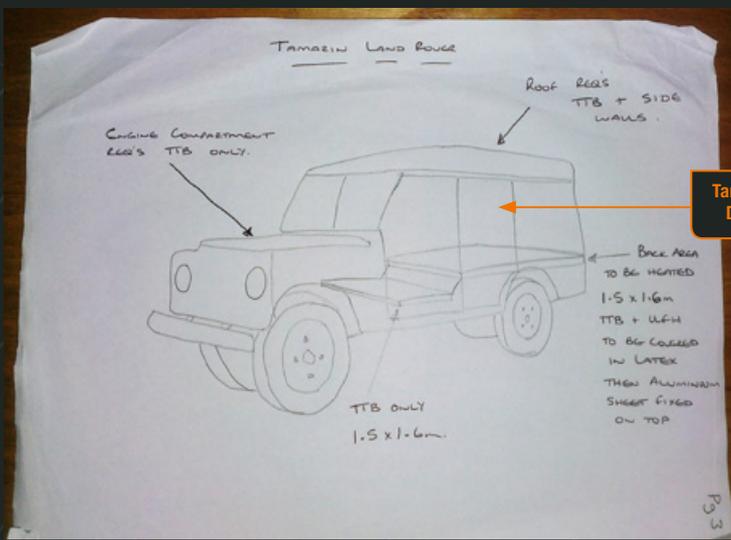
Our technical team are experts in specifying systems suited to almost any type of enclosure. We provide a comprehensive planning, specification and quotation service and attend site with contractors during installation if required.



Designed in the UK



Made in Denmark



Tamarin Monkey Landrover Design at Dartmoor Zoo

## Raising the temperature at Dartmoor

We are working on an ongoing project at Dartmoor Zoo to turn up the heat for a variety of animals (and the staff!). We have specified heating systems within numerous enclosures and completed installations under rocks and in the staff welfare area.

## Under-rock Heating

The Zoo (made famous in the 2011 film 'We Bought a Zoo') commissioned us to install a Jaguar heater for their big cat Sovereign. Heating cables were hidden beneath layers of concrete and were controlled with bespoke temperature sensors ensuring the rocks remained at a constant comfortable temperature for the Jaguar.

The aim was to encourage Sovereign to lie on the heated rocks ensuring he spent a lot of time on view for visitors. Tim Steward, Maintenance Manager at Dartmoor Zoo explains;

*"Heat Mat provided us with the means to motivate our jaguar, Sovereign, to leave his house on cold days. Being a south American species, he's a notoriously fair-weather resident and many of our visitors wouldn't see him if the temperature dropped below 10 degrees, which it does often!"*

*Now he has a heated basking rock which means almost all of our visitors get to see him – and he is quite a sight, and an important ambassador for conservation.*

*The greater the number of people who see Sovereign, the higher the awareness of this beautiful, keystone species."*

We have also conducted site visits and specified solutions to help Tapirs at Dartmoor stay warm with an underfloor heating system in two adjacent enclosures.

The endangered South American mammals are struggling with the unpredictable and chilly British weather, so the Zoo approached us to design a solution to improve the 3.4m<sup>2</sup> pens for these largely nocturnal creatures.

Current designs include Thermal Insulation Boards and high powered 200W Underfloor Heating Mats under non-slip tiles.

In the Tamarin Monkey area we have submitted plans to heat sections of an old Landrover that the monkey's use to jump and lie on. At the back of the vehicle specialist 7mm cables, covered in latex with an aluminium sheet finish will be installed.

## About Heat Mat

With more than 1,200,000m<sup>2</sup> of underfloor heating installed, 20 years' experience of the UK underfloor heating market and a wealth of knowledge on Scandinavian ice and snow melting systems, you can rely on Heat Mat to understand your needs and supply the products to satisfy your requirements.

This is why we are the Professionals' Choice, the number one supplier of electric underfloor heating and ice and snow melting systems to the UK's professional installation market.



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# Heat Mat Underfloor Heating



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