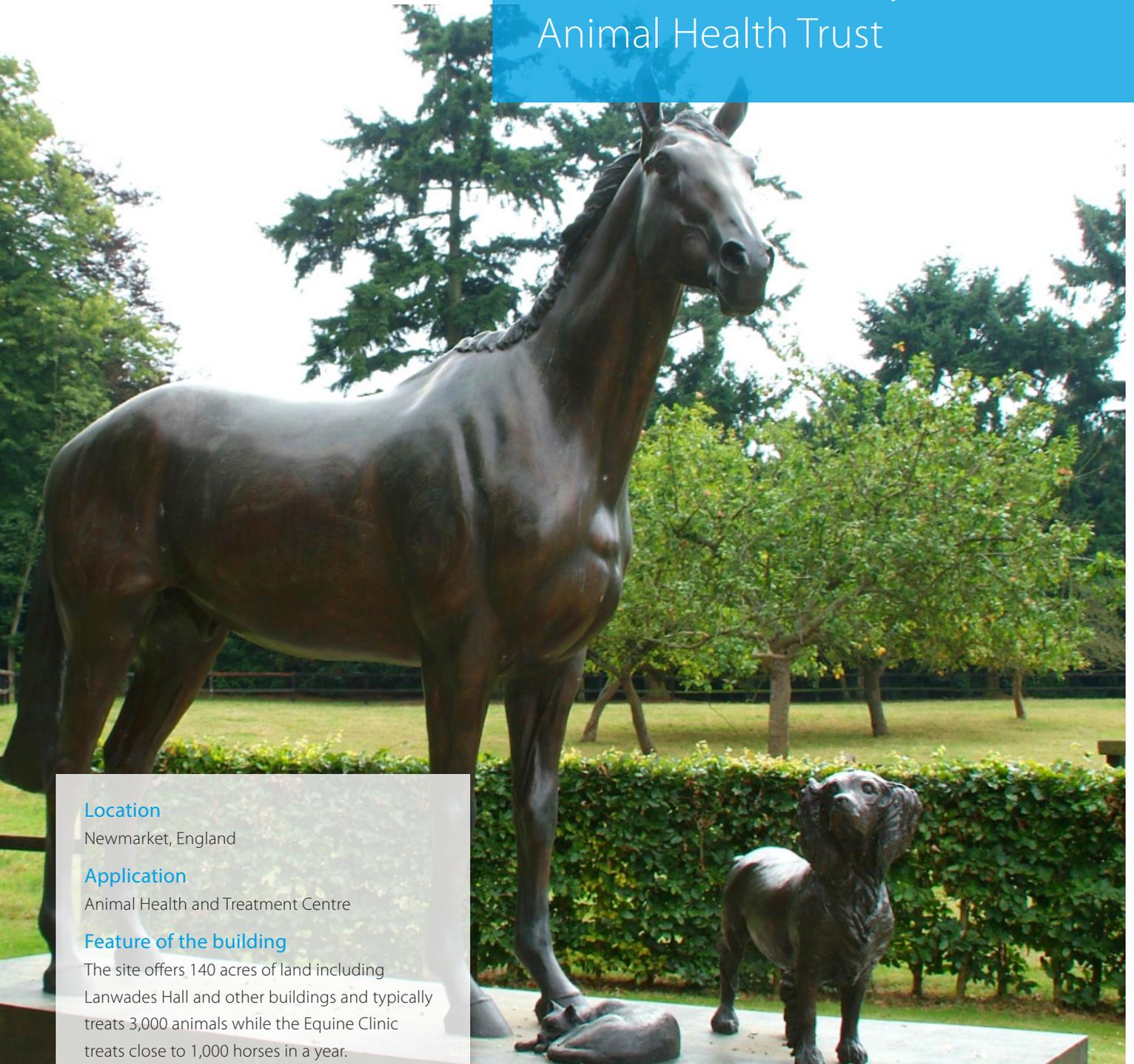


Case Study

Animal Health Trust



Location

Newmarket, England

Application

Animal Health and Treatment Centre

Feature of the building

The site offers 140 acres of land including Lanwades Hall and other buildings and typically treats 3,000 animals while the Equine Clinic treats close to 1,000 horses in a year.

Animal Health Trust was awarded its Royal Charter in 1963.

Maintenance Servicing

Fully Inclusive Planned Preventative Maintenance Contract.



Animal *Health* Trust

AHUs

CHILLERS

PROJECTS

SERVICE

Animal Health Trust

A large independent veterinary charity offering clinical referral services and diagnostic therapies.

Background

In 2000, Daikin Applied Service (formally known as McQuay Service) commissioned a McQuay ALS 103.2 XN Air Cooled Screw Chiller, which was installed to maintain critical cooling to a climate controlled building in the Equine Veterinary Clinic.

The Animal Trust has to meet strict legal standards on air quality set by the UK Government, therefore it is very important to the trust that the conditions laid out by legislation are maintained to keep them compliant with the law as well continuing the good work of the charity.

The Challenge

A Chiller system is a huge investment for any organisation, not just in capital cost but also in running costs. This is even more so when the organisation has a charity status. Therefore it was crucial for the Trust to have an appropriate Planned and Preventive Maintenance (PPM) regime that maximised the life of the equipment, increased efficiency and gave certainty of costs to allow the charity to closely control their budget.

Solution

As a "mission critical piece of equipment" a fully inclusive maintenance program was selected to ensure optimum functionality and immediate response to any operational issues while maximising the longevity of the chiller, thereby allowing the charity to invest in its core operation and not in replacement equipment, costly breakdowns or in high running costs due to poor efficiency.

The fully inclusive maintenance agreement is a fixed cost contract which typically runs for 3 years (this can be tailored to suit specific requirements) and encompasses a bespoke PPM regime of 4 visits per year, full 24 hour reactive service with 4 hour critical response and the added benefit of including all necessary spare components required to keep the equipment fully operational.

The fully inclusive maintenance agreement offers peace of mind, as failure of the cooling equipment would cause major operational issues to the charity. This also gives the charity greater control of their budget with no surprise bills due to unforeseen breakdowns.

The inclusive contract also accelerates repair times, as it is not necessary for the Trust to seek financial approval in the event of a failure. All costs to bring the equipment back into full service is all covered in the agreement.

Outcome

The chiller has been operating efficiently without experiencing any major failure in the past 17 years and has exceeded its typical life expectancy of 15 years for an Air Cooled Chiller. This is a testament of how implementing a tailored PPM very early on can maximise a chillers life-cycle without major failures and downtime - this can be said about any HVAC equipment.

The fully inclusive maintenance program has surpassed many of its objectives including:

- > Maximising chiller efficiency
- > Minimising downtime and disruption to the organisations operation
- > Maximising availability and uptime of the equipment
- > Control budget expenditure to allow better long term planning and commitments
- > Eliminate unforeseen costs due to breakdown



McQuay ALS
103.2-XN-407 Screw
Compressor chiller
maintained by Daikin
Applied Service

"McQuay/ Daikin Applied Service have provided 17 years of excellent service supporting the chilled water package which provides critical cooling to our environmentally controlled building. Without this support we would have been unable to ensure the success of various studies in the past years.

There is more to good service than regular maintenance visits. Even a well maintained plant can break down and the ability to deal with this and other issue's that arise are a key factor. Emailing or calling for service has always been a pleasant and successful process. Engineers attending site are professional and courteous. From my experience, I would have no hesitation in recommending them for your cooling solutions"

Rob Aldred - Senior Electrical Engineer, - Animal Health Trust

For more information email info@daikinappliedservice.uk or visit www.daikinappliedservice.uk

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