



# THREE SHIRES LTD

ENVIRONMENTAL EXCELLENCE

ECOLOGY - FORESTRY - FENCING



# Three Shires Limited is the UK's leading specialist contractors with divisions in the Ecological, Fencing, Landscaping and Invasive Weed Control sectors.

For the last 20 years, Three Shires Ltd has an enviable track record in providing ecological, fencing, arboriculture, vegetation management and invasive weed solutions to the construction and civil engineering industry.

Working between our Leicestershire headquarters, the north west office and our southern office, the Company's specialist teams have experience in the rail, utilities, highways, commercial and residential construction projects all across the UK.





Having worked in a number of industry sectors, the specialist team has experience on some of the country's most high profile schemes.

*Badger Sett*

## What makes us different?

Continued investment in machinery and staff means Three Shires remains ahead of its competition. Being able to call on expert field operatives and senior managers means that high quality solutions are constantly delivered to multiple site requirements.

In addition, an in-house skills base means value control costs can be added to move projects forward, ensuring success through a professional team that drives projects to be delivered on time and within budget.

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Undertaking prestigious projects like this means the Company's reputation is enhanced further and the specialist plant and expert operators are key to the success on such developments.

Working alongside some of the UK's leading construction and civil engineering companies, Three Shires works hard to reduce the cost and time implications that are commonly associated with environmental constraints.

Therefore, for work such as protected species, invasive weed, tree works or site clearance issues, the Company is diligent in finding the best solution to suit individual time frames and budgets.

Health and safety is a key aspect of the work of Three Shires because its projects often include working on rail networks, nuclear power stations, highways and quarries.

As such, Three Shires takes its commitment to ensuring the safety of everybody on site very seriously.

Staff members are put through a range of in-house qualifications such as first aid, CSCS, ROLO, SSSTS,

BESC, PTS and IOSH Managing Safely, while the Company also has an audited health and safety system accredited to OHSAS 18001.

Having worked with the likes of Galliford Try, Arup, Anglian Water, Morrisons, Mott MacDonald, Balfour Beatty, Laing O'Rourke and Kier, Three Shires can boast a client list of some standing, which is due to the wide range of services provided.

## Previous Clients:

GallifordTry

ARUP

anglianwater



MORRISONS



Balfour Beatty

LAING O'ROURKE





*Bat boxes*



*Badger fencing on post and rail*



*Newt fencing and trapping Three Shires*



*CestWall reptile habitat creation*

## Environmental Excellence

One of the Company's many areas of expertise is finding solutions to ecological site constraints, and its knowledge of these sites is crucial in driving projects forward in all sectors of industry.

With a portfolio comprising of a variety of ecology, environmental and traditional conservation and countryside management services, Three Shires has the knowledge of how protected species legislation can impact on the finances of each project.

What sets Three Shires apart from many other contractors is how important it takes its relationship with ecologists all over the UK.

This relationship and the experience means that ecologists are confident that Three Shires can deliver a project in line with legislation, with the end result a quicker and cheaper project.

The Three Shires ecology and environment portfolio comprises a number of project areas; from newt and reptile fencing, badger fencing, habitat translocation and enhancement to areas including badger fencing, otter fencing, bat boxes and erosion control.

In habitat creation projects, Three Shires has worked with ecologists for more than 15 years to develop these techniques that have become commonplace across the country.

Experienced on a variety of habitat works, Three Shires has developed a range of artificial bat boxes and roosting solutions for bat mitigation projects, and the Company's Herpetosure Bat Box range includes six standard systems. One of the areas that Three Shires has worked within is installing newt fencing on sites across the UK.

Newt fencing is used to fence off a construction area to prevent newts entering during the works. After installation, this area needs to have newts within it moved to a different habitat outside of the fence line.

Once habitat surveys have been undertaken and a European Protect Species Licence (EPSL) is gained, fencing needs to be installed immediately, quickly, in full compliance with the EPSL and in accordance with the ecological clerk of works. Again, the experience that Three Shires offers is ideal for all of the above. The Company recommends specifications, supplies and installs newt fencing, along with trapping measures that helps to catch newts already in the fenced site in order to relocate them.

Three Shires delivers Herpetosure newt fencing, which is the UK's most widely specified newt fencing brand.

The fencing offered has achieved high praise such as that offered by Andrew Roberts and MD Tustin Developments, who described the Herpetosure fencing product as "ideal". He said: "Clearly a great deal of thought has gone into the design of the fencing material and as a result an extremely durable fence system is installed very quickly.

"Without the speed of installation of Herpetosure fencing and the experience of Three Shires, there would, almost certainly, have been a delay in the commencement of pitfall trapping and a subsequent delay in the development programme."

# Invasive Weed

The expertise in invasive weed control is such that there is a whole dedicated division to it - Herpetosure Invasive Solutions. This is to combat the threat of Japanese knotweed, which has the capacity to cause untold damage when left untreated because it will invade sensitive wetlands, driving out native wildlife and taking over further as time goes by. Consequences of the effects of Japanese knotweed include economic loss associated with control costs in the construction sector.

Japanese knotweed damages concrete, tarmac, flood defences and the stability of river banks. Housing is a particular problem, with untreated Japanese knotweed leading to a decrease in value of a property.

Just as damaging is the adverse publicity that it can bring to a company, therefore the services provided by Herpetosure Invasive Solutions are absolutely crucial.

The expert team provides solutions to all Japanese knotweed and invasive weed requirements for landlords, housing associations, developers, large scale civil engineering contractors and consultants.

Headed up by Simon York, Herpetosure Invasive Solutions has worked on prestigious projects such as eradication on Wembley Park and the site of a London-based international event in 2012.

The Company isn't restricted to one method of invasive weed eradication either, and has a number of techniques that include herbicide treatment including stem injection, cell burial/site encapsulation, managed and monitored excavation and disposal, insulation of root barrier membranes and soil screening.

Not content with just providing eradication services and solutions, Three Shires carries out site surveys that result in the production of invasive weed reports. All projects come complete with precautionary methods of working and Japanese knotweed management plans are drawn up for each customer.

This level of experience is invaluable on sites with Japanese knotweed because it allows clients to use resources on site under the supervision of Three Shires, which ultimately results in the remediation work being delivered.

Best practice and compliance of legislation is constantly achieved while simultaneously reducing costs.

Undoubtedly, Japanese knotweed is the most high profile invasive weed, but there are others which Three Shires also provide solutions for.

If a site has the likes of ragwort, rhododendron, aquatic invasive, giant hogweed or Himalayan balsam weeds on site, Three Shires has the expertise to deal with this effectively, ensuring the weeds are eradicated from any site.



*Soil screening*



*Soil screening picking station*



*Screened Japanese knotweed rhizome material*



*Ragwort*



*Japanese knotweed*



*Post and rail fencing*

## Fencing

The range of services doesn't end there. For 18 years, Three Shires Ltd has provided fences for every imaginable specification.

With its investment in the best machinery and having a team of fencers with a high level of expertise at its disposal, this department of Three Shires continues to grow.

Experienced in the highway, utilities, civil engineering and rail sectors, the workforce is skilled enough to work in any construction market.

This includes house builders and commercial contractors, who have benefited from specifications such as hoarding and BS5837 tree protection, through to traditional security and residential fencing types.

The Company is also well known as a pipeline and utility specialist, installing demarcation, stock, and rail fencing on power and water projects in England and Wales.



*Palisade fencing*



# Tree works and Arboriculture

Thanks to Three Shires' network of expert climbers, cutters and plant operators, new standards are also being set in clearance and arboriculture.

One of the most difficult tasks in the industry is tree climbing but the arboriculture tree teams at Three Shires can make this difficult task safe thanks to its experience in technical, advanced tree work on utility and construction-driven projects all over the UK.

Matching technical expertise of the forestry industry with compliance requirements of the construction sector, Three Shires has teams that are NPTC-trained to the highest level, with new techniques in rigging, roping and chainsaw works from a rope and harness.

All rigging and ropes are LOLER tested at six monthly intervals, while the Company's chainsaws all undergo a rigorous maintenance regime to ensure they meet not only the industry standards, but the highest standards possible.

From forestry tractors, timber cranes and harvester heads to forestry mulchers and tree shears, the innovative equipment from Three Shires delivers superb outputs in what is an extremely competitive market.

Not content with its work in the forestry and construction sectors, the Company can accommodate sites with environmental constraints where low impact forestry machines can be provided with low PSI footprints. These are ideal for schemes of a sensitive nature.

With a strong portfolio of work like this, it comes as no surprise that there are many companies who have been quick to praise the work of Three Shires.

Dan Murray of St James Security spoke in glowing terms of the professional attitude of the Company and described the products as "the best we have seen."

He said: "To say we have been pleased with Three Shires is an understatement. James and his team have impressed throughout with their professional approach, speed and ability to resource a project of this size within the tight timescale set."



*Chipping & mulching*



*Woodland thinning*



*Timber harvesting*



*Large scale site clearance*

**HERBICIDE  
TREATMENT AND  
STEM INJECTION**



The H.I.S methodology offers a faster, more effective and more environmentally friendly alternative to other comparable methods available.

The Strategy has been developed with extensive on-site experience and research, and is based on a detailed understanding of the plant and how it propagates. H.I.S have also developed suitable strategies to eradicate Japanese Knotweed by watercourses, close to trees and in environmentally sensitive areas.

**CELL BURIAL / SITE  
ENCAPSULATION**



This is often the quickest way of eradicating Japanese Knotweed within a site. The contaminated soil is carefully excavated and transported on site to a specially dug burial pit lined with a specialist Japanese Knotweed Barrier. Uncontaminated earth is then placed on top of the sealed cell allowing the land to be used for landscaping.

**SOIL  
SCREENING**



H.I.S carefully manage this mechanical and hand screening process. The contaminated earth is excavated and placed on a conveyor where Japanese Knotweed Rhizomes are handpicked from the contaminated soil. This process offers huge cost savings by reducing the volume of contaminated material sent to landfill by 97%.

**MANAGED  
EXCAVATION**



H.I.S offer a fully managed works package to excavate and transport Invasive Weeds from site. With our detailed knowledge of invasive plants we can minimise the amount of contaminated soil that needs to be transported to registered landfill thus minimising the cost. All transport is undertaken by our licenced carriers.

**ROOT BARRIER  
MEMBRANE  
INSTALLATION**



On sites where the Invasive Weed need to be contained H.I.S offer Root Barrier Membrane installation. Once installed, the Root Barrier Membrane stops the spread of the weed across other areas of the site, thus reducing further costs going forward.

**INVASIVE WEED  
CONTROL**



H.I.S offer control packages for many other invasive weeds including Giant Hogweed, Himalayan Balsam, Common Ragwort and Aquatic Invasives. Offering tried and tested, cost effective and environmentally sensitive solutions to fit our clients program and budget.

# Invasive Weed Control

From Landlords, housing associations and developers to large scale civil engineering contractors and consultants, H.I.S offer expert solutions to Japanese Knotweed and Invasive Weed Control requirements.

Our team of experts, headed up by Simon York, have experience in all construction and residential environments and have undertaken contracts such as the Japanese Knotweed eradication programme at Wembley Park and the site of a London Based International event in 2012.

The treatment and eradication of Japanese Knotweed is a common requirement on construction and civil infrastructure projects in all areas of the country; it is said that there is not a single square kilometre in the UK that does not have Japanese knotweed growing within it. The cost to the UK economy of dealing with Japanese knotweed is estimated to in the region of £2 billion.

As well as providing eradication solutions, our team carry out Japanese Knotweed and Invasive weed site surveys, produce detailed Invasive weed reports as well as precautionary methods of working and Japanese Knotweed management plans.

For many of our large construction clients, we are able to provide Japanese Knotweed clerk of work services; this allows customers to use their on-site plant and resources under our instruction to deliver the remediation works. This reduces cost whilst maintaining best practice and compliance with legislation.

***HERPETOSURE®***





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