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TARRANT GROUP

INVESTING IN BRITISH INDUSTRY

LIGHTNING CONDUCTOR AND STEEPLEJACK ENGINEERS

HIGH-RISE HISTORY



Bob Harfield, left; Alan Harfield, centre; Adrian Tarrant, right



Adrian Tarrant alongside Fred Dibnah MBE

HIGH-RISE PAINTERS

—that's Vic and Adrian

BEECHAM'S 120ft chimney at their Clarendon Road site has been given a face lift by two steel-nerved steeplejacks.

Vic Grealey, from Hayling Island, and Adrian Tarrant, of 6 Bustle Lane, Lancing,

who work for Furse Steeplejacks of Nottingham, have given the chimney a new lick of paint and done some minor repair work.

On Wednesday we caught them adding the finishing touches with the final coat of grey paint.

Adrian, 20, a steeplejack

for more than two years, has been as high as 270ft in his time.

Asked whether he gets the

odd flutter of nerves he replied, 'You don't think about the height; you just want to get the job done.'



PAINTING at high altitudes can be a messy business, as Vic Grealey (left) and Adrian Tarrant (right) show here. And on the right is the chimney they painted — the 120ft tower at Beecham's, pictured as the two steeplejacks neared the top.



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WHO ARE TARRANT GROUP?

Set up in the 1970s, Tarrant Group is one of the longest established specialist contract companies in the UK.

Starting out as a small local business in the steeplejacking industry, the company reached its first heights in the 1970s with the completion of major works on Beecham's chimney in Portslade, West Sussex. From then the company has expanded rapidly and steadily nationwide with the acquisition of major contracts throughout the UK.

As leaders and specialists in our field, with a combined experience of more than 150 years, our mission is to provide the highest levels of service and quality of work with respect for the environment. Our security protocol ensures that every potential hazard is carefully assessed and where necessary, safety measures are doubled up to provide a 'failsafe' solution compliant with all British Safety Standards.



What we do:

- Steeplejack services
- Lightning protection
- Design
- Installation
- Planned and annual maintenance
- Inspections
- Testing
- Edge protection/mansafe systems
- Earthing/substations

Main contractors to:

- Network Rail
- Ministry of Defence
- English Heritage
- Councils
- NHS Trusts
- HM Prison Services
- Government buildings
- Theatres and opera houses
- Pharmaceutical companies
- Petrochemical companies
- Mobile communication networks
- Leading construction companies
- Universities and schools
- Hotel groups

STEEPLEJACKING

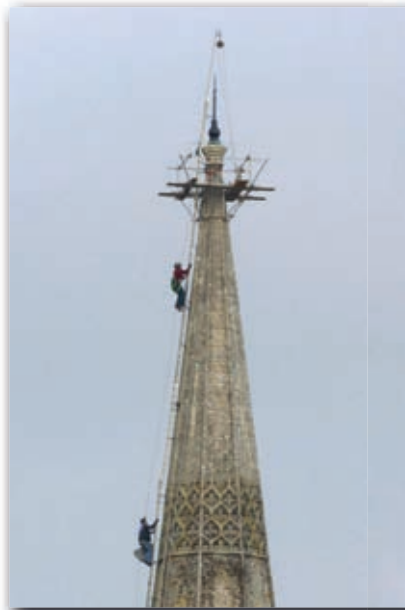
An approach from all 'angles' with 'stacks' of experience

The art of steeplejacking has been at the heart of what we do at Tarrant Group since the beginning. Over the decades, this specialist skill has led the company to grow in a myriad of ways, developing further specialist skills so that we can offer a range of complementary services such as design, maintenance, inspections, installation and testing.

As chimneys have evolved from bricks to concrete and steel, we have grown and evolved with modern-day technology. No matter what materials a structure is made of, we will scale all heights to ensure protection and safety in compliance with BS 2830 regulations.

Do it now, not tomorrow! An ounce of prevention is better than a pound of cure. It's always important to take your inspections seriously in order to prevent any extensive problems that may arise in the future.

Our rope access experts always visually inspect all aspects of the tall structure. As well as inspecting the integrity of the structure itself, we carry out lightning protection inspections to ensure all systems in place are compliant with standards BS EN 62305, as well as testing resistance and continuity to ensure full protection is achieved.



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Brick Chimneys

- Laddered visual inspections with a full written report with recommendations
- Regular ladder inspections for any corrosive or damaged areas
- Inspection for any fractures, loose or defective brickwork
- Brickwork repairs, repointing, partial demolition and rebuilding of brickwork, retaining bands for movement prevention
- Video/drone as well as photographic inspection
- Internal inspection of linings for any corrosion on steel lining as well as refractory linings
- Installation, testing and inspection of Lightning Protection to BS EN 62305

SERVICES WE CAN PROVIDE

Concrete Chimneys

- Laddered visual inspections with a full written report with recommendations
- Regular ladder inspections for any corrosive or damaged areas
- Video/drone as well as photographic Inspection
- Periodic surveys
- Thorough cleansing of deposits at terminal points
- Repairs to spalling concrete and fractures
- Application of protective water-resistant coatings
- Installation of aviation warning lighting
- Installation, testing and inspection of Lightning Protection to BS EN 62305
- Internal inspection of linings for any corrosion

Steel Chimneys

- Laddered visual inspections with a full written report and recommendations
- Regular ladder inspections for any corrosive or damaged areas
- Video/drone as well as photographic Inspection
- BS 4076 regulated services of single and double-walled structures
- Tailor-made solutions
- Application of standard and specialist linings
- Ultrasonic scanning to assess thickness and conditions of steel walls
- Installation, testing and inspection of Lightning Protection to BS EN 62305
- External repairs including painting, cladding repairs, weld stiffening and plating

LIGHTNING PROTECTION

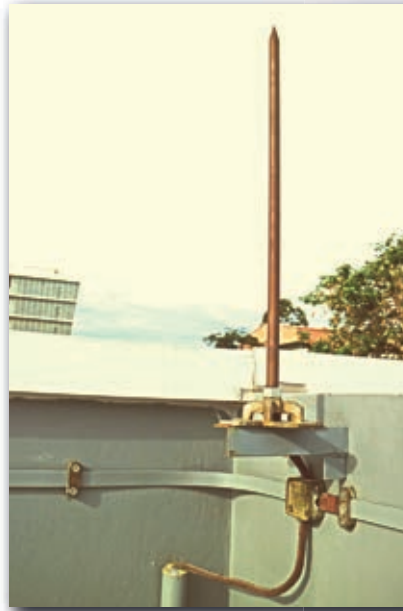
The science of lightning was first observed by Benjamin Franklin in 1749. In Europe and throughout the world, church towers were the tallest buildings which made them prone to lightning strikes. This created the importance of preventing and minimising damage caused by lightning.

The ESE (Early Streamer Emission) device is arguably the most efficient defence system to attract lightning and to channel it through to earth and minimise property damage and injury to inhabitants.

Like steeplejacking, our team considers lightning protection a top priority. Our experts draw on a combined experience of more than 150 years when it comes to design, installation, inspection and maintenance.

We can provide a standard solution for your requirements or a bespoke solution where needed, providing detailed layout drawings to illustrate the exact work to be undertaken.

Our knowledge and experience of working with contemporary projects as well as historical and aged buildings and infrastructure allows us to implement our design and installation service efficiently and prevent any complications for our clients.



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Consultancy

Our experienced engineers and technicians provide a full consultancy service over the phone, face to face and on site to ensure all bases are covered. We will survey the site (if there is already a structure) or work to elevation and roof plan drawings and specifications if the project is still in development, providing multiple recommendations to suit your needs.

Not only do we install and maintain new systems, we can also work with an existing lightning protection system. Most importantly we will ensure that the structure is fully protected against lightning strikes and is compliant to the BS EN 62305 regulations (or to whichever regulations the existing system has been installed).

Design & Installation

Working to BS EN 62305, we can provide a standard service or a bespoke service that suits you. We ensure everything from design to installation should be nothing less than exceptional without compromising on quality and service for your peace of mind.



STRIKING WHERE IT MATTERS



Service

When it comes to service, we would recommend testing your lightning protection annually to achieve the best level of protection and compliance with BS EN 62305 standards.

This not only ensures that the structure is as safe as possible, but more importantly, protects those using the building.

If we detect any issues, we will always recommend the best and most effective solution to resolve the problems found.



WHY COMPROMISE...

...ON LIGHTNING PROTECTION AND TALL STRUCTURE MAINTENANCE?



Working from the top down

Tarrant Group utilises the latest abseiling techniques which can be used for high-rise building inspections, video surveys, bridge maintenance, NDT inspections and other requirements. Using abseiling removes the need for costly and time-consuming scaffolding.

Our company is renowned for its efficiency and accuracy, even in the most extreme locations, including below ground level.

Adapting to **YOUR** evolving business

As your business grows and expands, so does infrastructure. Unwanted and redundant chimneys need to be demolished and cleared.

Our steeplejacks will ensure this is done with minimal disruption, which complies with the British Standards agency requirements.



What else do we offer?

As a steeplejack and a rope access company, there are many applications of our skills, for example:

- High-rise inspection and maintenance
- Photographic and video surveys to locate defective areas
- Application of sealants and installation of stainless steel bolts and safety anchorings in extreme locations
- Specialised quinquennial surveys on all places of worship to Diocesan surveyors' specifications
- Restoration of towers, domes and spires

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STANDARDS WE ADHERE TO

British Standards Institution

With more than 100 years of experience, the British Standards Institute is recognised as the UK's National standards body. Their committees work with the manufacturing and service industries, government, businesses and consumers to facilitate the production of British, European and International standards.

1

BS EN/IEC 62305
LIGHTNING PROTECTION STANDARD

2

BS 2830
SPECIFICATION FOR SUSPENDED
ACCESS EQUIPMENT

3

BS 7354
CODE OF PRACTICE FOR DESIGN OF
HIGH-VOLTAGE OPEN-TERMINAL STATIONS

4

BS 7430
CODE OF PRACTICE FOR
PROTECTIVE EARTHING OF
ELECTRICAL INSTALLATIONS

5

NFC 17 102
INTERNATIONAL
STANDARD THAT
GOVERNS THE
USE OF EARLY
STREAMER
EMISSION
SYSTEMS

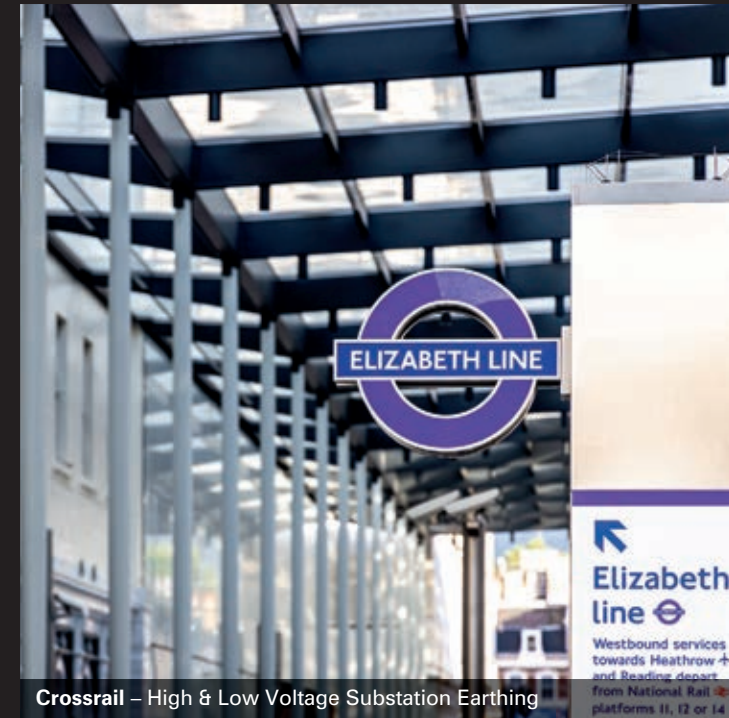
SHOWCASE



Chichester Cathedral – Weathervane, Removal & Installation



Buckingham Palace – Maintenance Work



Crossrail – High & Low Voltage Substation Earthing

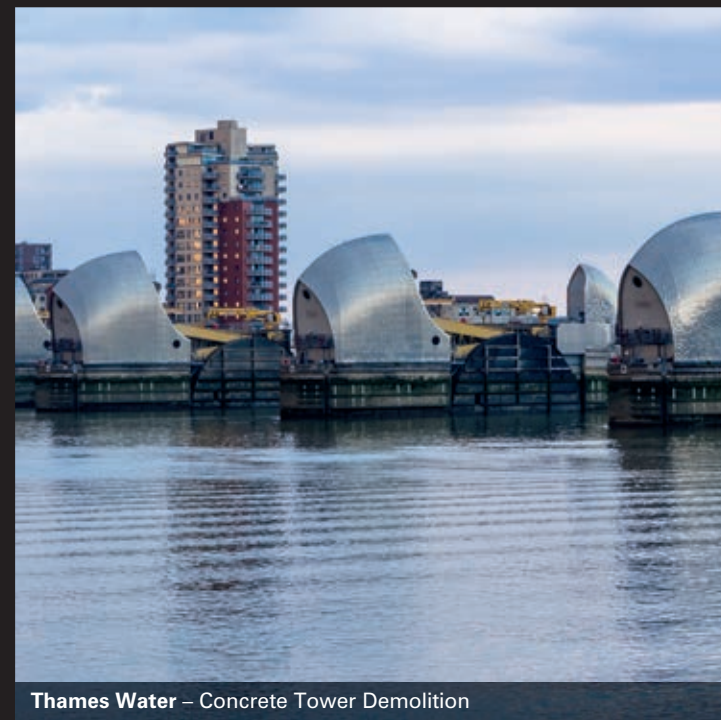
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NHS – Lightning Protection, Installation, Testing & Maintenance



RNLI – Lightning Protection, Installation, Testing & Maintenance



Thames Water – Concrete Tower Demolition



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