

# Testing and Inspection

eurosafesolutions.com



#### Eurosafe Solutions, Testing and Inspection

Working at height requires reliable and effective fall protection systems to safeguard the people who work there, but also in order to comply with the strict legislation that governs these practices.

Eurosafe Solutions are the market leader in the design, supply and installation of bespoke fall protection systems, with a network of offices spanning Northern Europe. Pioneering the design and use of the latest fall protection equipment allows us to develop tailored access systems for a diverse range of commercial, leisure, retail, aviation, healthcare, industrial, residential and stadia developments.

The service we give our clients goes well beyond just selling them a piece of equipment. It includes carrying out risk assessments, giving advice on the control of these risks, designing and installing the most appropriate system to implement these controls. Eurosafe Solutions then offer a Testing and Inspection service, along with comprehensive end user training, to ensure that the systems installed are in good condition and compliant to all legislative requirements.

Eurosafe Solutions, providing safety at height without compromise.



#### Content

	Product Frequ	Minimum * lency of Inspection	Page
_	Introduction		4
	Handrail, Guardrail	12 monthly	5
-	Ladders	12 monthly	6
	Walkways	12 monthly	6
Å	Fall Protection Systems	12 monthly	7
Å	Rail Based F.P.S	12 monthly	6
<u>r</u>	Single Point Anchors	12 monthly	8
事	Ladder Restraint Ties	12 monthly	9
	PPE Inspection	6 monthly	10
*	Abseil Access	6 monthly	11
	Permanent Access Systems - Suspende	d Quarterly	12
=	Travelling ladders & gantries	Quarterly	12
	Suspension Points, Rails and Beams	12 monthly	13
₩.	Flagpole Inspection	12 monthly	13
7	Lightning Protection	12 monthly	14
	Fire Extinguishers	12 monthly	15
$\sim$	Gutter Cleaning	Recommended 12 monthly	15



#### **Eurosafe Testing and Inspection Service**

Our test and inspection service covers all items which have been installed to ensure you are safe whilst working at height.

Our service extends from the visual inspection of handrails to the physical pull testing of abseil anchors. We provide this service across the UK currently servicing over 2000 customer sites, meaning we will always have an inspection team near you on a regular basis.



"Safety at height without compromise" is the ethos which we have built Eurosafe to a position of niche market leadership. Our inspection teams are tasked to deliver this ethos every day to ensure that the systems to which you and your employees entrust their lives are thoroughly inspected and tested.

Our ERP software system ensures we manage the frequency of your inspection & issue you reminders of its due date.



Our inspection teams are supported by a dedicated, experienced and well trained office team who will work with you to program our inspections to suit your site requirements.



Upon completion of our inspection we will provide a report & certificates of compliance. Where required we can provide year round

support for your every query regarding your installed systems.



#### Handrail, Guardrail

Collective protection systems such as Barriers, Guardrails, Stairs, Walkway and Permanent Access Ladders are an essential choice when considering fall protection.

The Working at Height Regulations 2005 (WAHR) recommend Collective Protection Systems such as Barriers, Guardrail, Stairs, Walkways and Permanent Access Ladders, as the first choice when it comes to specifying fall protection equipment.

It is important to ensure that this equipment which should protect against any fall hazard remains fit for purpose.





We provide a comprehensive inspection service to both fixed and freestanding guardrail in line with the Provision and Use of Work Equipment Regulations (PUWER) 1998 regulations which state

(2) Every employer shall ensure that work equipment exposed to conditions causing deterioration which is liable to result in dangerous situations is inspected:

(a) at suitable intervals; and

(b) each time that exceptional circumstances which are liable to jeopardise the safety of the work equipment have occured.

The minimum frequency of inspection for Guardrail is 12 monthly in accordance with PUWER.





#### Ladders, & Walkways

The importance of regularly inspecting Collective Protection systems should never be underestimated. These systems are designed to protect all employees which could be used by individuals with varied skill levels.

Guardrail, for example, is a fantastic piece of fall prevention equipment. However if it is faulty it is a real potential hazard.





We inspect both permanent fixed ladders, permanent folding ladders and temporary ladders following the ladder association guidelines.

The minimum frequency of inspection for ladders is 12 monthly in accordance with PUWER





We inspect both fixed, freestanding and cantilever walkway systems and their associated components; steps, stairs and fixed access gantries.

The minimum frequency of inspection for ladders is 12 monthly in accordance with PUWER



#### **Fall Protection Systems**

Fall protection systems can be categorised as Cable-Based or Rail Based. Both types require Testing and Inspection at a minimum 12 month interval.

These can be for either fall arrest or fall restraint. It is critical that the correct PPE is used for the purpose which it has been designed and, that employees are suitably trained.



# Cable Based Fall Protection Systems

Cable Based systems are tested and inspected in accordance with BS EN795: 2012 Class C.

Our Testing and Inspection Engineers go beyond the "sample" testing approach and physically test every system to ensure it is completely safe and fully compliant. This provides the building owner with total confidence that their systems are correctly inspected, tested, certified and maintained. After carrying out an inspection, we provide customers with a detailed report of their findings and issue the appropriate certification.

The maximum inspection interval for cable based systems is 12 monthly in accordance with WAHR/ BSEN795:2012 Class C.



### Rail Based Fall Protection Systems

Rail based fall protection systems should be tested and inspected according to Class D of the British Standards BS EN 795.

These fall protection systems are often installed where there is a need to minimise workers' fall distance, such as in overhead locations, for example train maintenance depots.

Our engineers are certified by all the leading fall protection manufacturers to inspect, test and certify rail based fall protection systems.

The maximum inspection interval for rail based systems is 12 monthly in accordance with WAHR/ BS.



#### **Single Point Anchors**

We offer a comprehensive inspection & testing service for Single point anchors for the attachment of Personal Protective Equipment, commonly known as eyebolts or window cleaners eyebolts. In addition to this we can also inspect & test the less common single point anchors such as mobile man anchors / dead weight anchors and transportable anchors such as tripods.

Each anchor falls into its own Class; A1, A2 & B under EN 795 and these classifications need to be considered during the inspection process;





Eyebolts are permanently affixed single point anchors which are typically designed to protect workers from fall hazards adjacent to openings.

All our testing of eyebolts is undertaken in accordance with BS EN 795 (2012) & BS EN 7883 and are carried out at least every 12 months.





Mobile Man Anchors are a form of single point anchor typically found on flat roofs and used for short duration roof top maintenance works.

The minimum frequency of Mobile Man Anchors is 12 monthly in accordance with WAHR / BS EN795 / BS EN7883



#### Ladder Resistant Ties and Tripods

Tripods are a single point anchor which we inspect in accordance with EN 795 Class B and BS 7883. Whilst Ladder Restraint Ties are inspected following PUWER guidelines. The adoption of a comprehensive inspection regime is important for both products.





Tripods are single point anchors often used to protect a worker descending into a pit, hole or inspection chamber.

The minimum frequency of Tripods is 12 monthly in accordance with PUWER / BS EN795





Ladder restraint ties are a critical piece of worker safety equipment used to secure temporary ladders and are covered under the Provision and Use of Work Equipment Regulations 1998 (PUWER). Following the guidelines of PUWER, our engineers inspect ladder restraint ties in accordance with the manufacturers' recommendations. This includes a regular visual inspection, combined with a physical pull test to determine the suitability of fixing.

The minimum frequency of Ladder Restraint Ties is 12 monthly in accordance with PUWER.



#### **PPE Inspection**

An essential part of inspection of Cable and Rail-based fall protection systems involves ensuring that the appropriate PPE (Personal Protective Equipment) is worn. Our inspection engineers carry out a full review of customers' PPE and offer advice on the suitability of PPE used with a system.





#### Personal Protective Equipment and Rescue Equipment

Personal Protective Equipment (PPE) used for working at heights needs to be inspected frequently to ensure it is fit for purpose. This is covered by the Work at Height Safety Association (WAHSA) technical guidance note 3 which brings together the recommendations of the PPE regulations 1992, BS EN 365:2004 and BS 8347:2005 CoP, HSE Guideline INDG 367.

Inspections should be carried out as follows:

- 1. Pre-use checks (carried out by the user)
- 2. Interim inspections. (3 monthly intervals where applicable by the user)
- 3. Detailed inspections (carried out every 6 months by our Testing and Inspection team)

Regular inspection is very important as PPE can become damaged or lose its effectiveness, due to general wear and tear, misuse and exposure to dirt, grit, UV light or chemicals. Our service ensures that your PPE is fully compliant, in date and fit for purpose.





Rescue Equipment needs to be regularly inspected under EN 341:2011 Personal Fall Protective Equipment; Descender devices for rescue. Our engineers are trained and qualified to undertake inspections of the most types of rescue equipment.

For all our customers, we maintain a database of their equipment, including PPE, which clients can access and download all test certificates and relevant datasheets. We proactively contact customers up to two months before the due date of each inspection to arrange our visit.



### Abseil Access

Industrial Rope Access techniques are a popular way of accessing a building's façade in areas that are difficult to reach.

We offer a full inspection and testing service that is individually tailored to minimise operational downtime and maximise productivity of abseil access equipment. Anchorage devices for abseil access are usually one of two types:

- Abseil Rails
- Abseil Eyebolts





Abseil Rails are usually installed with carriages that allow left and right movement. The carriages are fitted with two points for attaching both a working rope and safety (Back-up) rope. The Abseil Rail and carriages need to be inspected and tested following the guidelines of LOLER (Lifting Operations and Lifting Equipment Regulations) 1998.





These are normally installed in pairs for the attachment of both a working rope and safety (Back-Up) rope. The eyebolts are inspected and tested following the guidelines of LOLER (Lifting Operations and Lifting Equipment Regulations) 1998 and BS EN 7883.

#### **Frequency of Inspection**

We provide a comprehensive inspection and testing service for anchorage devices used for Industrial Rope Access Purposes under the LOLER regulations 1998, which require as a minimum a six monthly inspection. Our inspections would also involve a load test.

Where eyebolts / single point anchors are used for abseil access, this six monthly inspection would follow the requirements of BS 7883 2005.



#### Permanent Access Systems

Permanent Access Systems are widely used across the UK to provide safe access to high level internal and external building façades in order to carry out cleaning, inspection and light maintenance. These systems need to be tested and inspected in accordance with LOLER, PUWER, EN 1808 and BS 6037 Pt1 & Pt2.

There are two main types of Permanent Access Systems: Suspended Access Equipment (which are tested according to BS 6037-Pt1 2003) and Permanently Installed Access equipment (tested according to BS 6037-Pt2-2004).

We offer building owners and property managers a full inspection and testing solution individually tailored to minimise any downtime and maximise productivity of any permanent access equipment.



### Suspended Access Equipment

Suspended access equipment, such as Building Maintenance Units and Monorail Systems are an essential part of many building's maintenance services. It is essential that the equipment is safe and fit for purpose and properly maintained and examined.

We provide a complete inspection and testing service designed to minimise downtime and maximise productivity.

The inspection and testing of suspended access equipment calls for a quarterly regime as follows:

- Month 1 Inspection, thorough examination and load test
- Month 4 Inspection.
- Month 7 Inspection and thorough examination.
- Month 10 Inspection.

We provide our customers with full inspection records, thorough examination reports and recommendations based on those findings.



## Travelling Ladders & Gantries

Travelling Ladders and Gantries can be either and mechanically powered or hand operated and are typically used by window cleaners or maintenance personnel to access either the outside or the inside of large glazed atria.

We provide dedicated Testing and Inspection services for Travelling Ladders and Gantries, as it is set out in BS 6037-2:2003. This states that a quarterly inspection regime should be adopted.

A typical inspection regime for Travelling Ladders and Gantries is as follows:

- Month 1 Inspection, thorough examination and load test.
- Month 4 Inspection
- Month 7 Inspection and thorough examination
- Month 10 Inspection.

Our aim is to ensure that your permanent access equipment is available for use 365 days per year, allowing you to maintain your building fabric at all times.



#### Suspension Points, Rails, Beams

Rail, Beams and Suspension points are typically used for the raising & lowering of materials & personnel and require a dedicated Testing and Inspection regime in accordance with LOLER (Lifting Operations and Lifting Equipment Regulations) 1998.





In the case of equipment for lifting personnel, or an accessory for lifting, this should be done every six months. In the case of non-personnel lifting equipment, this should be inspected and tested every 12 months. If appropriate, it should be inspected by a competent person at suitable intervals between thorough examinations. In both cases, this would involve a load test.





Hanging/Anchor Points are permanently fixed into the structure of a building, these are for the suspension of decorations and signage. Commonly used for the hanging of Christmas decorations, a thorough test will ensure that they are capable of suspending the required load.

The maximum inspection interval is 12 monthly, this is in accordance with LOLER 1998 regulations and BS 8539 / BS 7883 this would involve a load test.





Flagpoles need to be inspected in accordance with LOLER 1998 regulations – the raising and lowering of materials. The regulations also cover associated wires and shackles, hooks, pole carrier and slings, which are classed as lifting equipment and therefore need to be inspected at least every 12 months

We provide a comprehensive Flagpole inspection service, in order to minimise public liability risks and ensure compliance with the regulations.



### **Lightning Protection**

Our extensive experience in safety at height, combined with our knowledge in Lightning Protection, means we offer a comprehensive nationwide Lightning Protection test and inspection service. The ever-increasing reliance upon electronic systems in our everyday lives and the subsequent consequences of damage to these systems heightens the need to protect them from damage by lightning strike.







# Lightning Protection

Our services include;

- Risk Assessments in Accordance with BS EN 62305 / IEC 62305 / BS 6651 and NF C 17-102,
- Full Lightning Protection Design and Installation (Faraday Cage and Early Streamer Emitters),
- Annual Testing of Lightning Protection,
- Testing of Earth Systems,
- Site Surveys,
- Surge Protection Advice,

It is a requirement of the Electricity at Work Regulations – Reg 4 part 2:1989 to have lightning protection systems professionally maintained to minimise danger. It is recommended in BS EN 62305 that "Tests should be repeated at fixed intervals, preferably not exceeding 12 months." NOTE: It is advantageous to choose a period slightly shorter than 12 months in order to vary the season in which tests are made.

It is worth noting that lightning protection / earthing systems alone will not eliminate the possible damage to electrical goods caused by a lightning strike. There is a need to have a comprehensive protection system, which incorporates earthing, surge protection and electromagnetic shielding.



#### **Additional Maintenance Services**

Our ability to work safely at height, combined with our pro-active management of a customers property portfolio have led a number of our clients to request we extend our service offering to cover a range of maintenance services.



## Fire Extinguishers

Fire extinguishers are a critical part of every building's fire and rescue plan, therefore ensuring that they work correctly. It is a requirement of BS 5306 part 3 and 8 that they are inspected and serviced annually.

Our engineers can undertake the inspection of fire extinguishers in conjunction with other planned inspection and maintenance works at customers' premises. One such example of this is the Wind Power generation sector where we inspect both the safety systems and CO2 extinguishers within the wind turbines. Here, both our Work at Height skills and our training in fire extinguisher inspection can be combined to offer customers an effective solution to ensure their compliance.



# Gutter Cleaning & Window Cleaning

Eurosafe Solutions can assist with your window cleaning and gutter cleaning requirements. These PPM services lengthen the lifespan of the building and help to reduce reactive issues. We can look to carry out cleans in conjunction with other services to maximise time spent on site, reduce expenditure and disruption to on site residents.



## T Wind Turbine Inspection

We provide a comprehensive inspection and testing service for wind turbines.

The British Standard BS EN 50308-2004 Wind Turbines – Protective measures – requirements for design, operation and maintenance, highlights the need for the regular planned inspection of the component parts of the Turbine.



# Testing and Inspection

Centenary Works Little London Road Sheffield S8 0UJ Phone +44 (0) 114 250 74 11 infouk@eurosafesolutions.com

eurosafesolutions.com