

POWERFEED SYSTEMS

MECHANICAL HANDLING

SAFETY SYSTEMS

OFFSHORE DIVISION



Metreel

OTHER METREEL PRODUCTS & SYSTEMS...



OVER HEAD CRANES



JIB CRANES



CABLE/HOSE REELING DRUMS



OFFSHORE DRAG CHAINS



MONORAILS



ELECTRICAL CONTROL



FESTOON SYSTEMS



OFFSHORE FESTOONS



PORTABLE GANTRIES



CONDUCTOR SYSTEMS



DRAG CHAINS



OFFSHORE CABLE BOOMS

THE COMPANY...

Founded some 40 years ago, Metreel are leading specialists in Powerfeed, Materials Handling and Personnel Fall Arrest & Access solutions. A wealth of industry knowledge and experience coupled with the dedication to provide a high level customer service, these are some of the major benefits received when choosing **Metreel** as your solution provider.

Within our Safety Systems division we specialise in the design and installation of both suspended and fixed access systems, enabling high level maintenance activities to be undertaken safely and efficiently.

A complete range of horizontal and vertical track based products providing solutions for Fall Restraint, Fall Arrest, Suspended Access and Travelling Ladders form the major part of our capacity.

In addition to the many high quality products we offer within our standard range, **Metreel** also have a significant capacity for bespoke solutions. A dedicated design team utilising 3d CAD software can offer a design service from concept to final product.

Metreel regard the requirements of customers as its highest priority and to ensure that this is achieved we operate under the quality standard ISO9001, certified by SATRA.

Metreel have always strived to push the boundaries in all areas of our operations and as a measure of our success have been awarded a number of achievements, some of which are listed below:-

- Company of the Year
- Excellence in Marketing
- Export Growth
- Offshore Industry Award
- Safety Product Innovation Award

INDEX...

SAFETRACK®	1 - 6
LADDERTRACK®	7 - 8
CRADLETRACK®	8
FALL ARREST LADDER SYSTEMS	9 - 14
SAFEWIRE™ FLEXIBLE LIFELINES	15

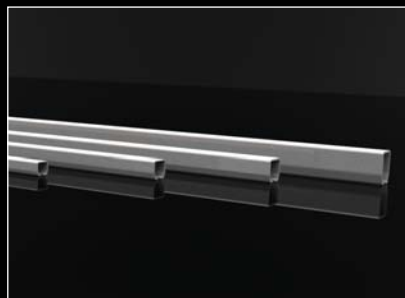
This brochure presents an overview of the products on offer and should you require any further information please do not hesitate to contact our sales team or email at sales@metreel.co.uk.



SAFETRACK® A variety of track designs to suit all applications.

Safetrack® is a Horizontal Fall Arrest / Fall Restraint system that comprises a permanently installed rigid anchorage rail and free running anchorage connectors housed within the enclosed profile. Available in either standard or reinforced configurations **Safetrack®** can be used for up to 8 users with supports of up to 12m.

Utilising the correct design layout, **Safetrack®** offers safe access to high level work areas that would normally be classed as high risk. As a preference **Safetrack®** should be installed in a fall restraint configuration to minimise the possibility of a fall. In circumstances that do not allow for fall restraint **Safetrack®** can be installed to provide workers with the ultimate fall arrest protection.



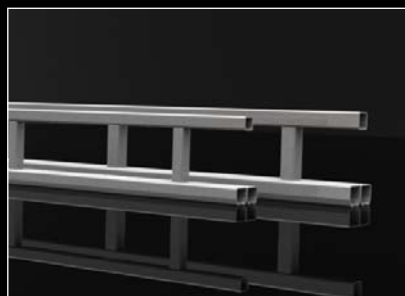
SAFETRACK®

The basic **Safetrack®** profile is available in four different sizes for Fall Restraint, Fall Arrest and Suspended Access, such as Abseil applications. Depending upon the application and profile selected this range offers protection for up to 4 users utilising 4 metre maximum supports. As standard our tracks are designed to accommodate fall angles up to 30° from the installed position (some profiles may vary refer to table opposite).



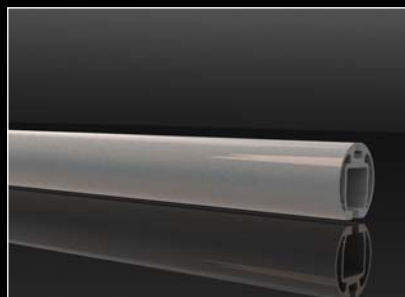
SAFETRACK® SIAB

For applications that require wider spans to accommodate existing building steelwork our range of **Safetrack® SIAB** profiles are ideal. From just 3 profile sizes we can offer spans up to 12 metres and 4 users. The unique trussed design has been developed to keep the profile weight to a minimum but provide an effective solution for wider span arrangements.



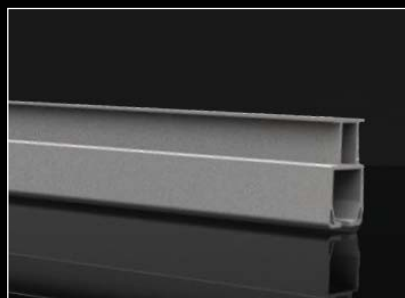
SAFETRACK® DUAL

Need to get past your colleague, not that easy when you have a single lifeline. Problem solved with the **Safetrack® DUAL** profiles. Just two profile choices offer spans up to 10 metres and incredibly up to 8 users. The simple bypass facility allows for users to move more freely over the work area, increasing productivity.



SAFETRACK® ALUMINIUM AL360

Designed specifically for applications where aesthetics are an important factor. Suitable for Fall Restraint, Fall Arrest, Abseil / Rope access and Cradle Suspension applications, AL360 caters for spans of up to 4m for 2 users to move move freely around façades or atriums for cleaning and maintenance routines. The clean lines of the circular profile are not interfered by traditional joints as all connections are hidden away.



SAFETRACK® ALUMINIUM AL700

If you need to accommodate for wide fixing spans but wish to limit the overall weight of the system, our **Safetrack® ALUMINIUM AL700** is perfect for the application. Also ideal for applications within the food industry where there is a concern about rust or painting chippings falling into the food process. Spans up to 6 metres with up to 2 users are available.

ANCHORAGE CONNECTORS

Within each **Safetrack**[®] profile a mobile anchorage connector provides for the secured connection of personal protective equipment. There are four options available illustrated below:-



Standard



Rotating Ring



Nylon Wheels



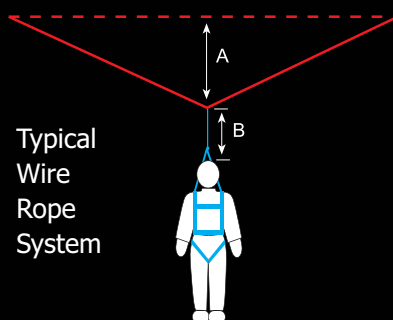
Removable

RIGID LIFE LINE FEATURES & BENEFITS

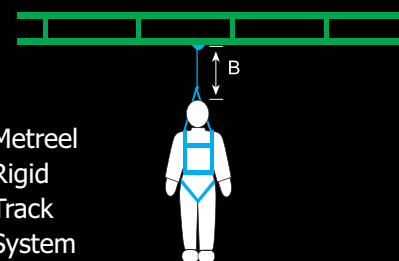
- Reduced Freefall distance (No Deflection)
- Ease of use - Fluid movement of anchorage connector within enclosed track
- Suitable for multiple users simultaneously
- Wider span support centres possible

DEFLECTION: WIRE V'S TRACK

Safetrack[®] offers many advantages over traditional wire based systems, one of which is that in the event of a fall the profile will not deflect, unlike its wire alternative. This minimises the fall distance which in turn further reduces the likelihood of injury from a fall. These are all important factors that must be considered when selecting fall arrest systems.



Typical Wire Rope System



Metreel Rigid Track System

KEY: A = System Deflection B = Distance PPE requires to arrest

APPLICATIONS		FALL ARREST				FALL RESTRAINT		ABSEIL	CRADLE SUSPENSION	
		x2	x4	x8	ANGLE	x2	x4	x2	Kg	Kg
PROFILE		USERS	USERS	USERS		USERS	USERS	USERS	250KG	500KG
Safetrack [®]	400	1m			0°	1.5m	1.2m		1.0m	
	500	2m			30°	2.5m	2.0m	1.5m	1.75m	1.25m
	600	4m			30°	4.0m	3.0m	3m	2.35m	1.75m
Safetrack [®] SIAB	400SIAB	5m			15°				7.5m	
	500SIAB	8m	6m		30/15°			5m	12m	9m
	600SIAB	12m		8m	30°			8m	12m	12m
Safetrack [®] DUAL	500DUAL	6m			30°					
	600DUAL	10m			30°					
Safetrack [®] ALU.	AL360	4m	3.5m	2.5m	15°	3m	1.5m	3m	3m	2.2m
Safetrack [®] ALU.	AL700	6m	6m		30°	6m	6m	6m	6m	4m

PHOTO GALLERY...



PHOTO GALLERY...





Providing full permanent access for routine inspection, testing and maintenance works is not always possible, an alternative method is to provide a less intrusive track system for suspending personnel, using industrial rope access techniques.

Safetrack® Abseil provides such a facility from its range of steel and aluminium profiles. On buildings with the need to access facades, large curtain walled/glazed areas or non load bearing panels, the installation of a **Safetrack®** Abseil system enables operatives to traverse quickly and efficiently between work places without the need for multiple rigging and de-rigging.

Our track systems consist of a range of steel and aluminium sections that include either permanently installed or removable trolleys.

Unlike fixed abseil anchor points, **Safetrack®** systems operate with free running trolleys which provide 'fluid' movement throughout the system. This means that the user can remain safely connected to the system to perform all tasks efficiently and in complete safety.



PHOTO GALLERY...



Tracks can be installed as either soffit or face mount and in both cases the main supporting structure can be fixed back and concealed within the building structure.



TRAVELLING LADDERS...

Laddertrack® is a bespoke range of mobile ladders, where enclosed track is used for the suspension and guidance of the complete equipment. Typical applications include access to facades, large curtain walled / glazed areas or non-load bearing panels for cleaning and maintenance purposes.

The major reason for incorporating a **Laddertrack®** system into the design of a building is to provide a means of access to areas, which would normally be unsafe to reach due to either their location or material make-up.

This permanent access system can be installed internally and/or externally and is available as either manual or alternatively powered travel. This option is usually depicted by the size of the ladder or the complex travel/transfer arrangements.

As all our **Laddertrack®** systems are designed specifically to your building specification, we ensure that firstly the minimum of steelwork is used. Secondly wherever possible, the design is created such that we obscure the installation of our steelwork and fittings in conjunction with the building structure. This enables the aesthetics of the building to be maintained often a major concern with architects planning modern day buildings.

Metreel's **Laddertrack®** systems are designed and manufactured utilising our in-house capacity. Materials and finishes are chosen not for convenience of our process but absolute suitability to the installation environment. A variety of finishes can be called upon to match the building aesthetics.

These systems can, if required, be supplied with an integral fall arrest or restraint system to provide ultimate safety for personnel using the systems.





GUIDED SUSPENSION FOR CRADLES...

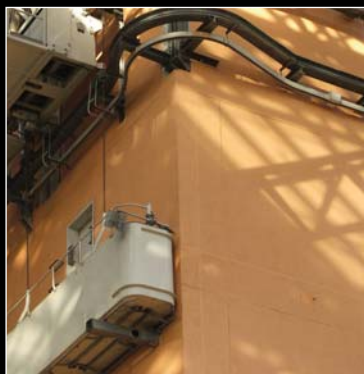
Cradletrack® offers an alternative to traditional I- beam based Cradle and Bosuns Chair access systems.

Our range of profiles cater for all requirements for cradles weighing up to 500Kg, including wide spans between available fixing points and also for installations where aesthetic requirements demand that the support track is sympathetic to the building design.

The design of our track profiles ensure accurate trolley wheel alignment with minimum friction, thus providing free, smooth movement at all times. The enclosed nature of our track profiles also protect the system running surfaces from ingress of debris and from potential damage from external elements.

To complement our **Cradletrack®** systems, Metreel also offer a wide range of Powerfeed systems specifically designed for resilience to outdoor conditions.

**GALAXY
CABLE REEL
POWERFEED
OPTION**



FALLGUARD® A12 FALL ARREST LADDERS SYSTEMS...

Manufactured and tested in accordance with EN353-1, **Fallguard®** has been developed to provide the ultimate enclosed track vertical fall arrest system.

Unlike other enclosed track systems, **Fallguard®** has a unique asymmetrical track profile, which coupled with its retaining carriage ensures correct orientation during insertion every time, without the need of additional bolt on guides.

With the **Fallguard®** system, not only can the user travel in a vertical direction utilising the turntable section, the user may move into an adjoining horizontal profile without disconnecting from the safety of the system.

The **Fallguard®** system incorporates notches within the track profile, which enables the retaining carriage to 'lock off' should a fall occur.

As our **Fallguard's®** systems are a rigid lifeline, with an additional retaining carriage, they can also be used safely by an additional user to effect rescue.

The retaining carriage is the travelling link between the **Fallguard®** system and the user. Trouble free, this is also extremely simple to use and has been designed as small and lightweight as possible.



Fallguard® has been used to provide complete fall protection for personnel in many different applications and environments. Typical uses range from maintenance access for telecommunications structures, electricity pylons, railway signals, towers and silos to roof access systems on extremely high commercial and industrial buildings.

Fallguard® has also been used for specialist applications such as confined space installations for water utility companies and industrial chimney installations for steeplejack access.

Optional fold away platforms that can be used as rest or work stations are available and should be considered every 6-9m. The platforms are fitted to the rear of the track profile and fold neatly away when not in use. The **Fallguard®** system and its components are available in either carbon steel with a galvanised finish or, 304 grade stainless steel.

The two main forms are rail only, used for attaching to existing ladders and rail with rungs, a complete ladder system generally used for new installations.

The **Fallguard®** system has been used worldwide for almost every conceivable vertical access application and is generally more cost effective than installing a fabricated ladder with an additional fall arrest system.



PHOTO GALLERY...



PHOTO GALLERY...



FALLGUARD AL2 LADDER...

The **AL2** system is an alternative to the standard Fallguard product. Manufactured from aluminium this option provides the operators with a much improved ergonomic solution and also a visually more impressive ladder for designers and architects.

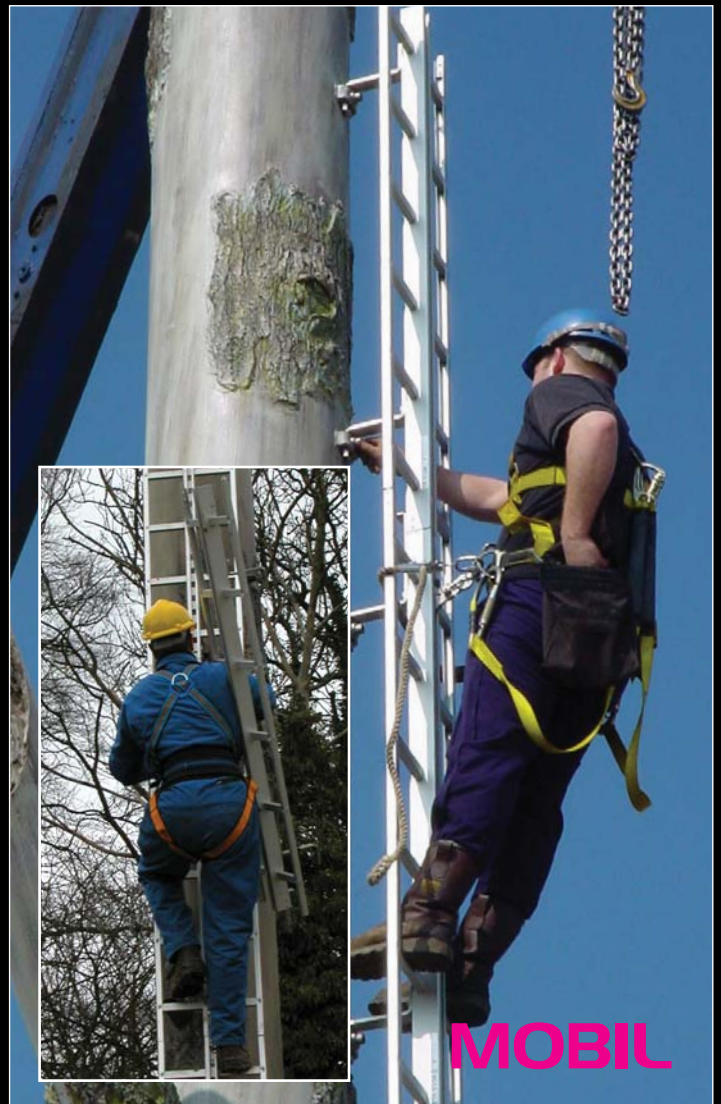
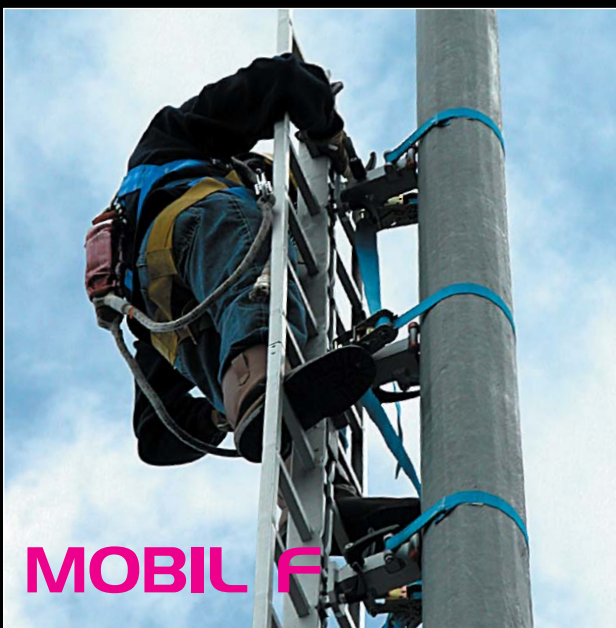


AL2 MOBIL AND MOBIL F...

The **AL2 Mobil** & **AL2 Mobil F** system, offer a perfect solution for non permanent applications. Simply transport the ladder sections to site and assemble as you climb, within a matter of minutes, a completely safe fall arrest ladder is available for your engineers to carry out their work – no need for expensive access platforms. Dismantle after use and stow away for the next job.

The **AL2 Mobil** is manufactured from aluminium and comprises a central upright ladder with side stringers.

The **AL2 MOBIL F** system requires no brackets fixed to the mast for its support, therefore simply attach to any suitable mast and climb in complete safety.



INVISIRUNG™ FOLDING RUNG LADDER SYSTEM...

Meeting health and safety requirements for safe access and architectural vision for both new and refurbished buildings can often be an issue to which a solution is not always easily found.

Options for working at height in the horizontal mode have been established for sometime and companies who do well are those who can camouflage their system in keeping with the building structure.

The standard fall arrest ladder systems available, mainly manufactured for industrial markets, do not really offer the gentle appearance that would fit in with the March surroundings.

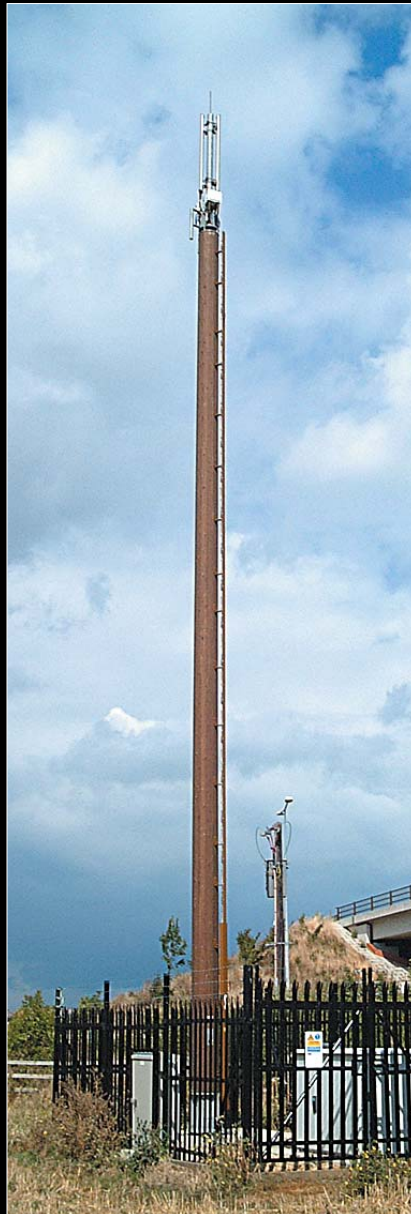
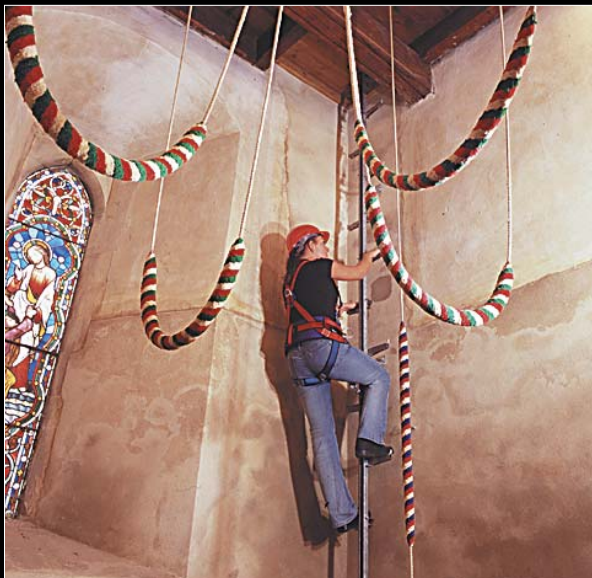
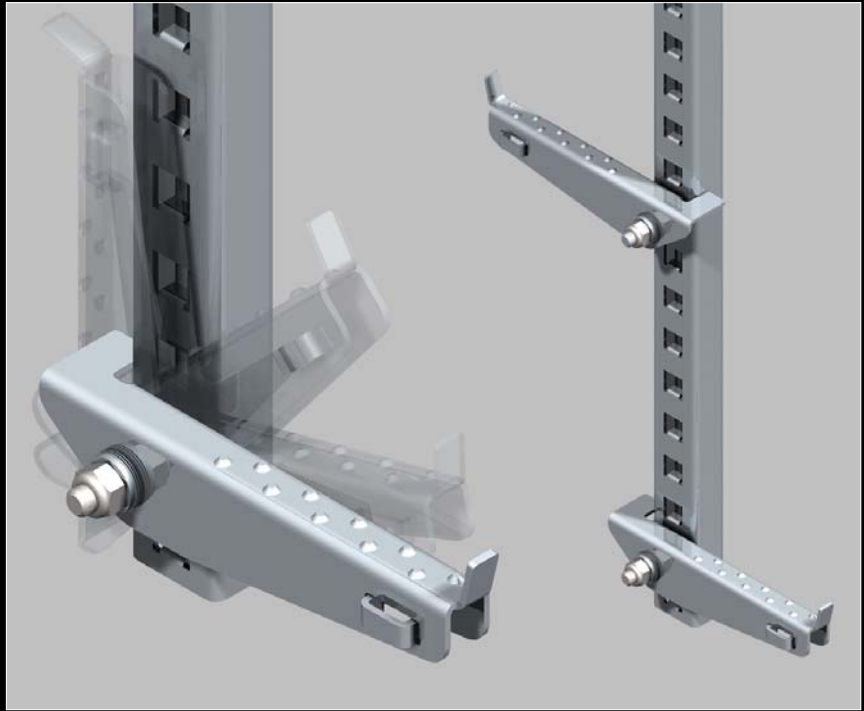
Invisirung™ however offers all the features and safety of a fall arrest system but with minimal interference of the surroundings.

Each rung is folded down when the user needs to climb to gain access to carry out their work and on descending the rungs are then neatly stored behind the slim line rail.

Both the rail and rungs can be painted according to the customer's requirements. This option makes it easy for architects to utilise within their design and thus hide a necessary safe access solution.

An additional advantage of the **Invisirung™** is that the system is ready to use at all times, no need to lug ladder sections around site to provide the same access facility.

Invisirung™ is designed and manufactured to EN353-1 standards. As it is a rigid lifeline it can also be used safely by an additional user to safely perform rescue.

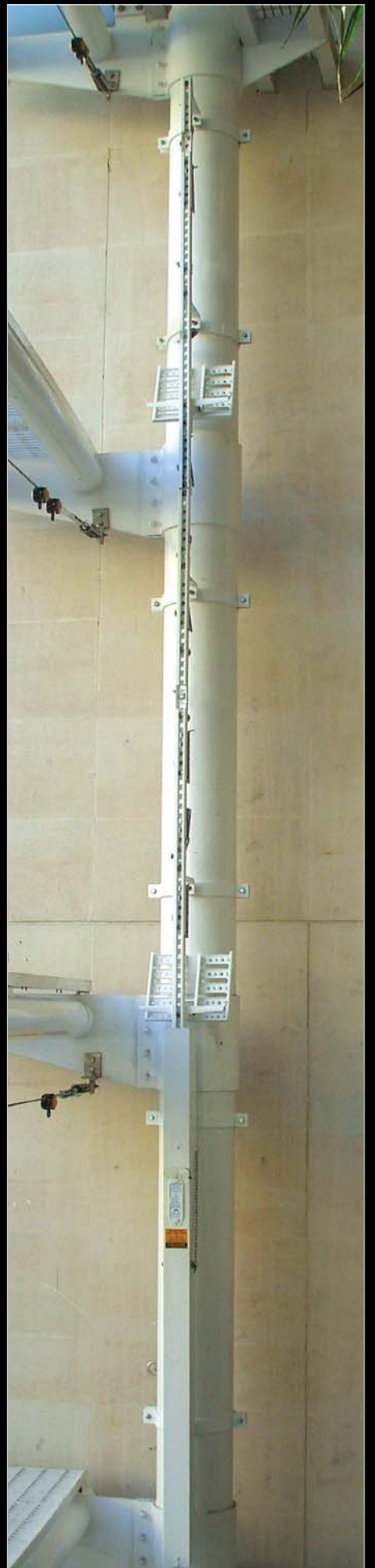


CLOSED RUNGS



OPEN RUNGS

PHOTO GALLERY...



SAFEWIRE FALL ARREST SYSTEM...

The **Safewire** basic lifeline offers an economic solution for fall arrest / restraint applications utilising a semi automatic passage over intermediate supports. Many of the traditional systems available are often well over engineered for a basic installation – **Safewire** provides you with an alternative!

- CE certified and conforms to the European Standard EN 795 Class C
- Designed for up to 3 simultaneous users
- Maximum length: 200 metres
- Maximum distance between supports: 15m
- Components manufactured from stainless steel
- Simple passage through intermediate brackets
- Pretension indicator
- Fall indicator
- Dissipation Shock Absorber reduces end loads to under 8kN

Easy Installation

- Small number of components
- Minimal support positions
- No special tools required
- Simple and easy to fix support brackets



POWERFEED SYSTEMS

- Festoon Systems
- Standard & Custom Reeling Drums
- Cable & Hose Drag Chains
- Conductor Systems
- Collector Columns
- Flexible Cables
- Plug & Sockets
- Pendant Control Stations
- Radio Remote Pendants
- Worm Gear Limit Switches
- Foot Switches

SAFETY SYSTEMS

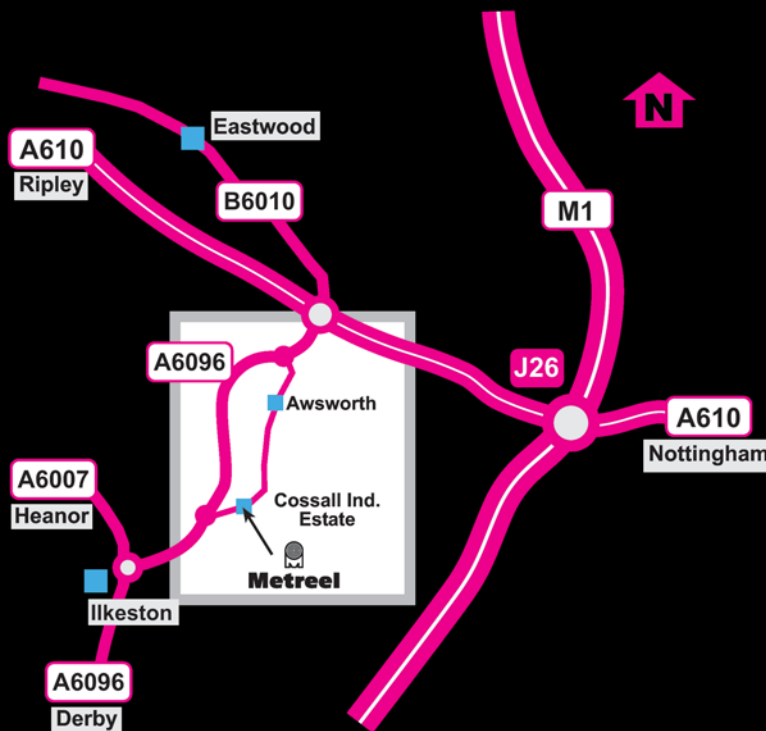
- Vertical Fall Arrest Ladder Systems
- Safetrack Horizontal Track Systems
- Horizontal Wire Systems

MECHANICAL HANDLING

- Met-Track® Light Cranes
- Met-Track® Monorails & Conveyors
- Met-Track® Sliding Door Gear
- Met-Track® Custom Track Systems
- Alu-Lift® Portable Aluminium Gantry
- Tool Balancers

OFFSHORE DIVISION

- Cable & Hose Drag Chains
- Cable & Hose Festoon Systems
- Cable & Hose Booms
- Cable & Hose Reeling Drums



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