Miller Engineered Solutions

Customized Fall Protection Solutions

***NEW!* Now featuring Rigid Rail Systems**

- Custom systems for fall protection needs
- Vast network of trained and certified installer partners
- Expert design, engineering and installation
- Comprehensive testing, training and inspection services

MILLER®

by Honeywell

Miller Engineered Solutions

Since 1989, Miller Engineered Solutions has been dedicated to the design and installation of custom-engineered fall protection systems. Our network of installer partners and qualified in-house personnel can perform the work you need – from design and engineering, to final field commissioning – all in accordance with federal and local codes and regulations.

Our experienced team can provide whatever your project requires – from comprehensive, turn-key services, to specifications, design or installation assistance. We provide you with solutions based on your specific site conditions, work process and budget.

The result is a safer environment that enables you to:

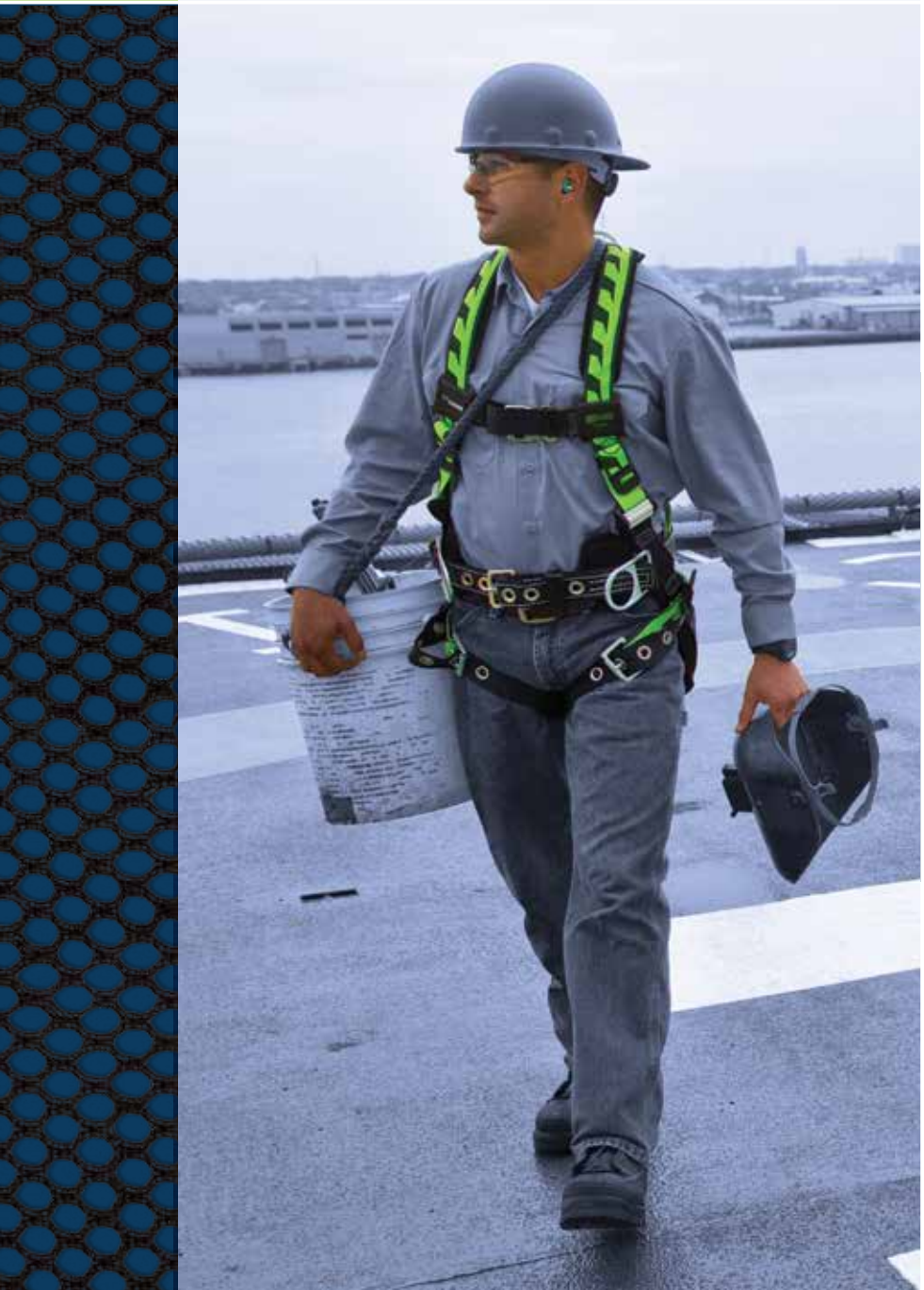
- reduce risks
- maintain or lower insurance premiums
- control worker compensation claims
- comply with regulations

Our Services

Site Survey Fall Hazard Assessment
Miller Engineered Solutions uses a consultative approach to identify the safety hazards associated with fall exposures.

Design
We offer complete engineering; drafting and design services, working in concert with your team to ensure all your needs and requirements are met.

Supply of System Components
We supply all system components, PPE and custom fabrications, designed specifically for system attachment to existing or designed structures.



Focused on worker safety and mobility, we provide total fall protection solutions for single or multiple workers with our unique horizontal and vertical systems.

Installation
Once materials are on site, our vast network of installation partners will perform the installation to ensure you are provided with a safe and reliable fall protection system.

Testing, Training, Inspection and Certification
Our staff is available before, during and after the installation of your fall protection system to help with testing and inspection, training of your work force and certification.

Passive Fall Arrest Systems
Miller Engineered Solutions recommends, designs and installs passive fall arrest systems, such as handrails, guardrails, catwalks/platforms, ladders and landings as a first line solution to fall hazards.

Active Fall Arrest Systems
When a passive fall arrest system is not considered an effective or aesthetic alternative, we design, supply and install active fall arrest systems, including:

- Fall Restraint Systems that prevent a fall from occurring.
- Fixed Point Anchors when fall protection is only required in a localized area.
- Horizontal Systems that provide continuous fall protection when travel and mobility are required at heights.
- Cable-based, flexible horizontal lifeline (HLL) systems, available in stainless steel or galvanized steel. Most HLL systems feature a pass through capability, some with a shuttle that can automatically pass through intermediate support points without requiring workers to disconnect.
- Rigid rail systems constructed with conventional steel beams; lightweight, extruded aluminum; or compact, stainless steel.

Ladder Safety Climbing Systems
- Rigid-rail steel systems (available in stainless steel, galvanized steel or aluminum).
- Cable-based systems (available in stainless steel or galvanized steel).

Xenon® Permanent Horizontal Lifeline System

Vi-Go™ Ladder Climbing System

Track Type Rigid Rail System

NEW
Rigid Rail Systems

The safest solution for virtually every environment. Featuring an open track design, exclusively engineered for easy movement, Rigid Rail Systems provide the highest degree of mobility and safety, while reducing the risk of injury in elevated work environments. Available in various configurations and support center distances, these systems make fall protection easily customizable and cost-effective.

Inverted "L" System

This system provides **fall protection coverage while working on top of vehicles or elevated machinery**. The single foundation design is ideal in areas where space for a foundation is limited.

Select from 20 ft., 40 ft., or 60 ft. of fall protection coverage. System height is 30 ft. or 32 ft., depending which model is selected, and can hold up to (2) two workers at a time.

Note: This system includes a rebar cage assembly for the standard foundation.

"T" Dual Track System

This system provides **dual fall protection coverage for those working side-by-side on top of vehicles or elevated machinery**. The single foundation design and parallel tracks make this system ideal for railroad tracks running parallel in close proximity to each other or two truck loading stations.

Select from 20 ft., 40 ft., or 60 ft. of fall protection coverage. System height is 32 ft. and can hold up to (4) four workers at a time.

Note: This system includes a rebar cage assembly for the standard foundation.

"P" Series System

This portable system provides an **economical solution for fall protection needs in areas that require temporary fall protection**.

The modular design allows for the system to be transported by forklift to a new location in just minutes. Select from 20 ft., 40 ft., or 60 ft. of fall protection coverage. System height is 25 ft. to 27 ft. depending which model is selected and can hold up to (2) two workers at a time.

Note: This system includes materials for the required assembly including base and counterweights.

Please note: The above Miller Rigid Rail Systems have the ability to be self-installed, however, if you would like to inquire about our installation services please contact Honeywell Technical Service at 800-873-5242.

Applications

Truck tarping • Machinery maintenance • Rail loading/unloading • Vehicle maintenance

Swing Arm Systems

When space is an issue or ceilings are inaccessable, swing arm systems can provide flexible solutions in industries ranging from food distillation to coal processing. These systems provide circular or semicircular fall protection within a limited footprint. Swing arm systems are used extensively in areas where both overhead cranes and fall protection systems share the same space. Since swing arm systems may be easily moved out of the way when not in use, they are ideal for applications where infrequent fall protection is necessary. Standard spans from 8 ft. to 30 ft.; custom spans are also available. Available in free standing or wall/column mounted designs.

Fold-Away Systems

These systems provide safety when you need it, and space when not in use. Ideal for areas such as railroad maintenance or where large food processors must be maintained, these systems may be easily moved from the work environment when fall protection is not essential. By deploying only when needed, fold-away systems allow complete access to overhead cranes in order to keep production at high levels. Unlimited lengths with up to 50 ft. between supports. Trussed track to accommodate single or multiple workers. Motorized rotation available. Available in free standing or wall/column mounted designs.

Bridge Systems

Bridge systems consist of two runways with a traveling bridge suspended between them for maximum coverage within a rectangular work area. The lightweight aluminum bridge follows the worker, always remaining directly overhead. Multiple bridges can be used to accommodate several workers at the same time. Unlimited runway lengths with up to 18 ft. bridge lengths. Available in ceiling mounted or free standing designs.

Applications

Rail loading/unloading • Airplane hangars • Industrial sites • Food distillation • Coal processing • Equipment maintenance

Our knowledge and experience in developing effective custom engineered systems assure total compliance while working at height.

Horizontal Lifeline Safety Systems

Xenon® Permanent Overhead Horizontal Lifeline System

Xenon Permanent Overhead Horizontal Lifeline Systems are custom engineered systems designed to be used if the application requires the lifeline to be positioned overhead beyond the user's reach. This system is **capable of supporting the weight of even large retractable lanyards**.

Whether it's along a rooftop, inside an arena or high atop a suspension bridge, Xenon systems provide fall protection for a variety of configurations: straight or curved; multiple bends; floors and ridgelines.

A uniquely-designed shuttle connector **automatically bypasses intermediate supports without disconnecting from the lifeline**, increasing mobility and safety.

Xenon® Permanent Horizontal Lifeline System

Xenon Permanent Horizontal Lifeline Systems provide **automatic pass-through fall protection for multiple workers** that ultimately increases worker mobility, safety and productivity. Xenon systems feature patented stainless steel components that are easy to use and require minimal maintenance.

Xenon systems are designed to be used with a shock absorbing lanyard or a lightweight self-retracting lifeline (SRL) that does not exceed 5 lbs. The worker should be able to reach the lifeline with his/her arm - ensuring they can easily position the shuttle so it glides through the intermediate guides.

ShockFusion™ Horizontal Lifeline System

The Miller ShockFusion Horizontal Lifeline System **minimizes deflection in the lifeline while effectively managing system forces** to maintain a safe connection to a variety of roof structures. The unique surface-mounted design **eliminates the need to penetrate the roof structure**, making installation quick and easy.

A variety of do-it-yourself Miller ShockFusion Horizontal Lifeline Kits for rooftop safety are available for simple straight line configurations **accommodating up to six users**. Available online, the *ShockFusion Selection Guide* is a helpful tool that determines components required for your unique application and offers the opportunity to request a quote as well as review a summary of the kit.

Applications

- New buildings
- Industrial sites
- Railcars
- Pipe racks
- Sports arenas
- Bridges

- Machinery
- Rooftops
- Sports arenas
- Pipe racks
- Crane rail runways
- Loading bays/docks
- Conveyors
- Bridges

- Standing seam roofs
- Metal sheathing roofs
- Membrane roofs
- Wood sheathing roofs
- Wood Roofs
- Concrete decking

Ladder Climbing Safety Systems

GlideLoc® Ladder Climbing System (Rail)

The GlideLoc Ladder Climbing System is an innovative solution for vertical climbing that is easy to use, requires minimal maintenance and provides superior safety. **Engineered for smooth operation during ascent and descent, the system accomodates multiple workers and is durably constructed to extend service life.**

Kits are available in aluminum, galvanized or stainless steel construction. Integrated Shock-Absorbing Element Systems are also available in easy-to-install kits or can be customized for your application.

Saf-T-Climb® Ladder Climbing System (Rail)

The Miller Saf-T-Climb Ladder Climbing System provides total ladder climbing safety for workers on any site – above or below ground; straight or curved. Saf-T-Climb systems give climbers the protection and security they need to be effective and productive.

The Saf-T-Climb system has over 60 years of safe climbing history and is frequently the specified rigid rail ladder safety device used by industry and government.

The **Saf-T-Climb rail attaches to most ladders or climbing surfaces, and can easily be installed by your own personnel**.

Vi-Go™ Ladder Climbing System (Cable)

Vi-Go Ladder Climbing Safety Systems provide the ultimate in safety with continuous fall protection when climbing fixed ladders. Systems are available in easy-to-install kits or as a build-your-own option.

The Vi-Go accommodates up to four (4) workers at a time, and offers the ability to cut cable lengths on site for greater versatility. With this system, costly, annual inspections can be avoided.

A uniquely designed, patent-pending Vi-Go Cable Sleeve automatically bypasses intermediate cable guides, keeping both hands free for climbing. It travels smoothly along cable and locks instantly in the event of a fall.

Applications

- Utilities
- Wind power/turbines
- Crane installation
- Industrial facilities
- Telecommunication towers
- Confined space
- Drilling rigs/platforms
- Shipbuilding
- Water tanks
- Chimneys
- Antennas
- Wind generators
- Drilling rigs
- Ship masts
- Construction
- Manufacturing
- Utilities
- Communication towers
- Drilling platforms
- General Industry
- Wind energy
- Chimney stacks
- Power transmission towers
- Water tanks/towers
- Petrochemical plants
- Telecommunication towers
- Silos

Guardrail Safety System

Free Standing Guardrail System

Fall protection that protects your investment while complying with OSHA regulations. Our **weighted guardrail systems do not require drilling into roofs or floors – allowing for quick and easy installation or reconfiguration**. A positive locking system secures the rails to the base. Toe board adapters are available.

Applications

Skylight protection
Outside docks/platforms
Conveyor protection
Fall protection
Roof hatch protection
Barricading

Our knowledge and experience in developing effective custom engineered systems assure total compliance while working at height.

MILLER® by Honeywell

LIMITLESS POSSIBILITIES. Ask the Expert.
Technical Service: 800.873.5242 • Customer Care: 800.430.5490
www.millerfallprotection.com

This equipment should only be used after reading and understanding the manufacturer's instructions. Failure to follow instructions could result in serious injury or fatality.

LMESB

Lead them to safety. Build an enduring Culture of Safety where employees make safe choices on their own.
www.honeywellsafety.com/culture

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