



# Group

Incorporating Egmont Doors & totalDOORS

## SPECIALIST ACCESS WAY SOLUTIONS



# TRAFFIC MANAGEMENT

CREATIVE SOLUTIONS TO COMMON CHALLENGES

# TRAFFIC MANAGEMENT SOLUTIONS

## A SERIOUS SAFETY ISSUE.

**A burning question at every industrial site is how best to protect your pedestrians from the hazards of fast moving, heavy traffic.**

Due to physical limitations of a site, it is not practical to make all pedestrian zones totally protected. There are always points where pedestrians must cross the path of vehicle traffic.

Where this hazard cannot be removed, it must be effectively managed and minimised. The challenge is to achieve adequate levels of protection with the least hindrance to productivity, and flow of people and vehicles throughout your facility.

Ulti Group provides a full line of Barrier System products that offer innovative solutions and proven reliability to these real life challenges.



**ULTI FIXED BARRIER PROVIDES PROTECTION FOR MACHINERY AND PERSONNEL IN HIGH TRAFFIC AREAS**

## THE CURRENT SITUATION.

In-plant separation and protection, separating and defining work areas, walkways, and interior loading docks have long been a challenge for Plant Operations and Safety Managers.

As health and safety concerns increase, there is a growing awareness of the limitations of conventional methods:

- Yellow painted lines are a traditional means of defining pedestrian only areas. While these are low cost and easy to change, they offer limited visibility and benefit.
- Steel posts and fixed guard rail systems are commonly used at many sites. While these are effective where access to areas isn't needed or plant layout is not subject to change, they are somewhat inflexible and potentially costly to relocate as future needs develop.
- Chains are not effective visual or physical barriers for material handling equipment or personnel.

In this brochure we will outline some important factors to consider when assessing your traffic management systems.

# TRAFFIC MANAGEMENT SOLUTIONS

## TRU-GARD BARRIER RAIL

### Where do traditional fixed barriers stand?

Ulti Group offers a broad range of fixed barrier systems and accessories. Fixed barriers are the traditional way to protect pedestrians from vehicle traffic. It provides a strong visual barrier, and is a robust option. The complete barrier system, when installed to certain specifications, is certified to stop a 4000kg forklift, moving at a speed of 3.5km/hr, 90° to the barrier. However, sometimes fixed barrier is costly, difficult and expensive to move, and perhaps hinders productivity and the flow of traffic at your site. Traffic patterns, the purpose of the barrier, and future needs all need to be considered when making your traffic management decisions.

### FEATURES:

- Fully certified Barrier system – guarantees Real Safety when its needed
- Highly visible 'safety yellow' Barrier rail (Galvanised available for extra)
- Multiple configurations available to suit your application
- Small footprint minimising the space required for installation – maximise floor space usage

### APPLICATIONS:

- Walkways in dry stores, coolstores, canopy's, production area
- Walling protection
- Drop off protection
- Loading canopies
- Machine operator protection



ULTI FIXED BARRIER OFFERS HEAVY-DUTY PROTECTION TO PEDESTRIANS USING THE WALKWAY



# TRAFFIC MANAGEMENT SOLUTIONS



## BARRIER HAND RAIL SYSTEM

Seamless integration of Barriers and Handrails meets every situation

### FEATURES:

- Modular system which fits on top of the barrier rails
- Strong with no sharp edges
- Stops staff jumping the rails
- 1000mm high
- Impact protection at low level – adds safety

### APPLICATIONS:

- On all barriers that are used as a personnel/traffic separator

## TRU-GARD PERSONNEL GATES

### FEATURES:

- Strong lightweight construction
- Reliable spring and hinge designs
- 1000mm high
- High visibility yellow - safety

### APPLICATIONS:

- ‘Stop and think’ gates for walkways
- In front of doorways and corridors
- Out of office areas or at entry/exit parts of buildings



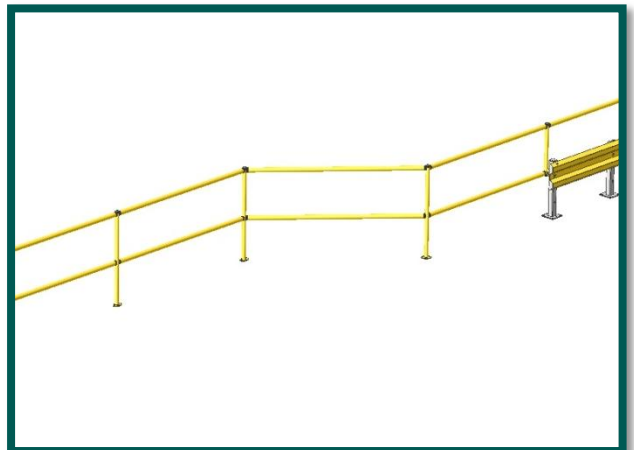
## PEDESTRIAN/TRAFFIC DIVIDER

### FEATURES:

- Totally modular – suits many varying requirements
- Fully flexible, multiple heights and configuration
- Safety yellow - Powdercoated Aluminum, high corrosion resistant finish
- Suitable for both internal and external applications – and protected walkways between buildings
- Easily adaptable later if any area needs change

### APPLICATIONS:

- Separating personnel from low-impact traffic
- Creating safe walkways site wide
- Adjacent to ‘stop and think’ gates to prevent people going around the gate
- Around train tracks or high traffic flow



# TRAFFIC MANAGEMENT SOLUTIONS

## SPANGUARD RETRACTABLE BARRIER

The unique SpanGuard unit allows areas to be safely cordoned off quickly and effectively yet offers fast and easy removal for access when required

When it comes to virtually any safety device, ease of use is key. This is an especially important factor when deciding on safety barriers and gates that offer both protection and access. With some fabric barriers, for example, one person can remove and reposition the barrier in less than ten seconds. Likewise, some automated safety gates open and close at the push of a button. At the loading dock, some barriers can be interlocked with other equipment, such as doors and vehicle restraints, so that related components function as a single cohesive safety system.



SPAN GUARD™ BARRIERS ARE ROBUST, YET SIMPLE FOR ONE PERSON TO RELOCATE

### FEATURES:

- Fast and simple one person operation
- High visibility – 1200mm high barrier
- Up to 18m span
- Simply winds into storage canister when not in use

### APPLICATIONS:

- Rail sidings – Full protection
- Drop off's or docks
- Creating safe zones to protect personnel and products
- Cordoning truck loading areas during loading and unloading
- Creating safe forklift travelling zones
- Personnel walkway
- Machine guarding



# TRAFFIC MANAGEMENT SOLUTIONS

## GUARDRITE STRAP BARRIER

Stopping power is critical, but the importance of an industrial safety barrier's role as a visual barrier cannot be overstated. The stronger the visual message, the better, especially since the ultimate goal is to avoid a lift truck of any kind coming into contact with people, whether a barrier is in place or not. Equally important are visual messages that warn people to keep out of areas where their safety is at risk. Leverage the power of strong visuals with barriers and gates that communicate a clear message.



**GUARDRITE® STRAP IS A COST EFFECTIVE SOLUTION TO PROVIDING A STRONG VISUAL MESSAGE**

### FEATURES:

- Heavy duty strap barrier restraint – Rated to stop a 4500kg forklift @ 6km/h
- Retracts back into frame for full width access
- Safety yellow – high visibility
- Up to 18m Wide per each unit

### APPLICATIONS:

- Train docks, preventing drop off of personnel/forklift
- Areas that require infrequent forklift use but need to be separated off for most of the time
- Personnel guarding while working on product/machines



# TRAFFIC MANAGEMENT SOLUTIONS

## SAFE-T-GATE

The Safe-T-Gate offers segregation of areas while its lightweight design makes access a breeze



On the surface, a traditional steel guardrail or immovable barrier might seem adequate in many situations. The choice might be appropriate for some circumstances, but not if the barrier blocks a high-access area. Always think about the need to get in and out of the area where the devices are being used. Newer safety barriers, barrier arms and gates are specifically designed to provide the appropriate level of protection, while also ensuring full access.

**SAFE-T-GATE® LIGHT DUTY PROVIDES AN EFFECTIVE SAFETY BARRIER WITH EASY ACCESS FOR PEDESTRIANS**

### FEATURES:

- Provides an effective safety barrier with quick easy access for staff
- From 1m – 3m wide
- Cost effective - yet very efficient solution
- Light/ safe and simple

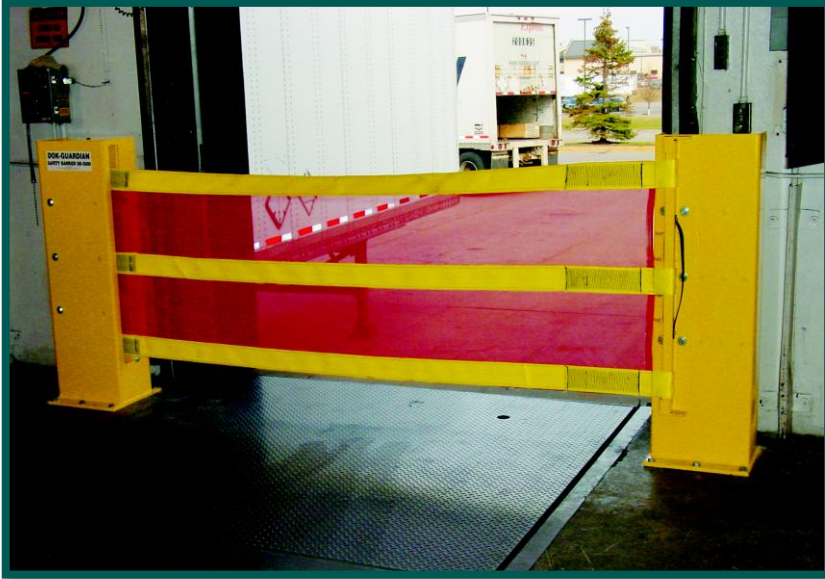
### APPLICATIONS:

- Low use forklift access points
- Drop off's or docks
- Machine operator protection



# TRAFFIC MANAGEMENT SOLUTIONS

## DOK-GUARDIAN HEAVY DUTY BARRIER



Drop-off areas, particularly at docks, are one of the most potentially devastating situations for industrial accidents, and yet some companies rely on a single chain across a dock door to meet health and safety compliance requirements. Don't be fooled — chains are not an effective visual or physical barrier for material-handling equipment or personnel. A better practice is to use safety barriers and gates instead of chains, and therefore providing a much higher level of protection.

**DOK-GUARDIAN™ HEAVY DUTY BARRIER USED TO PROTECT AN OPEN DOCK WAY**

### FEATURES:

- Heavy Duty Barrier
- Rated to stop 4500kg forklift @ 6km/h
- Stores to the side
- Protects door tracks

### APPLICATIONS:

- Open Dockways
- Machinery guarding
- Doorways





# TRAFFIC MANAGEMENT SOLUTIONS

## BARRIER ARM – SIMPLE, EFFECTIVE TRAFFIC CONTROL

Can be used at Doorways or complete external situation



### FEATURES:

- Heavy duty gear wheels
- Non-contact magnet switches
- Safety systems involved in controls
- Additional activation and safety devices can be installed including light systems
- High frequency use rated
- Barrier can be easily released and operated manually if required

### APPLICATIONS:

- Site entrances
- Coolstore, dry store, canopy entry/exit points
- Railway crossings

## GATES – AUTOMATIC, HIGH SPEED, SLIDING OR BI-PARTING



### FEATURES:

- High speed operation
- Fast opening and closing, reducing waiting time
- PLC logic enables individual control design
- Reliable and robust construction
- EN 13241-compliant
- Safety sensors included

### APPLICATIONS:

- Site entrances and exits
- Site area segregation

HIGH SPEED BI-PARTING GATE PICTURED

# TRAFFIC MANAGEMENT SOLUTIONS

## EARLY WARNING SYSTEMS

**The light communication signal that keeps people and equipment safe around blind corners, at intersections and through doorways**

Not all danger zones can be effectively controlled by barriers. In areas such as alleyways, doorways and blind corners, where there is interaction between pedestrians and vehicle traffic, the issue often comes down to visibility.

This blind spot hazard eliminators can be especially relevant to freezer environments, as freezer doors are not fitted with vision panels. Even traditional vision panels are not a reliable means for ensuring this safety, as they are often obscured by condensation, dust, grease or UV deterioration, and simply do not serve as an effective safety protection.

Always consider the visibility at each intersection and path shared by pedestrian and vehicle traffic. Where there is limited visibility a Virtual Vision safety system may be the most effective way of managing this risk.

### FEATURES:

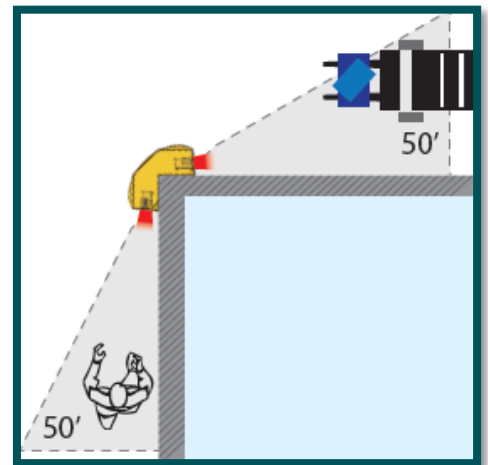
- Long range sensor systems for early warning
- Early warning red light signal, warning of coming traffic before it is visible allowing valuable escape time
- Can be configured to suit virtually any application and can also be tied in to lock gates to activate other safety devices

### APPLICATIONS:

- High speed doorways
- Blind Corners of any type
- At points of cross traffic, anywhere that cannot be physically barrier protected



**WARNING LIGHTS ALERTS PERSONNEL TO APPROACHING TRAFFIC WHERE THERE IS OBSTRUCTED VISIBILITY**



### What is Virtual Vision?

The innovative Virtual Vision safety system provides vital prior warning to approaching pedestrians and other traffic. It utilises a combination of accurate long range sensors and high intensity flashing red LED Lights with control logic.

Motion sensors detect movement from up to 10 meters away from the door opening. When movement is detected, red LED lights the opposite side of the door, intersection or corner begin flashing, giving personnel valuable early alert to approaching traffic. The lights remain flashing until the traffic has either stopped or passed completely through the door opening.

**The Virtual Vision safety system can be retrofitted to any existing door system, regardless of type or manufacturer – or even a non-door application**



**VIRTUAL VISION FITTED TO BOTH SIDES OF A FREEZER DOOR**

# TRAFFIC MANAGEMENT SOLUTIONS

## Plan for the long haul.

Once a barrier, gate or safety system is installed, the general idea is to keep it there for a long time to come. Yet the needs of the operation and the flow of materials throughout the facility will likely change in the years ahead. Prepare for the future by choosing highly configurable barriers and gates that are easy to install and relocate. This practice also pays off when it's time to change out damaged devices. The ability to quickly and easily adapt to almost any situation is essentially a given with the latest barrier and gate designs.

## ULTI GROUP OFFER NZ WIDE ONSITE CONSULTING SERVICES TO ACTIVELY ASSIST YOU IN SELECTING THE BEST SOLUTIONS

## Invest wisely.

Avoid thinking that a safety barrier is only a safety barrier, especially if the goal is to use the budget wisely. This is especially true of traditional steel guardrails. These conventional barriers are not always the best solution for every application, since they sometimes provide more protection than needed for the cost. Given the wide range of choices, it pays to look at every option as part of the overall safety plan, and decide which provides the best value for money.

## SAFETY OF YOUR PEOPLE IS AN INVESTMENT NOT A COST!

**We will ensure your investment is optimised for best results**

## Tap the experts.

While many issues addressed by safety barriers and gates are universal, choosing the right barrier and/or the right combination of barriers and gates is not always a straightforward decision. There's no substitute for tapping the experts to assist with your selection of barriers and gates that contribute to a safe and productive work environment and effective traffic management. At Ulti Group, our consultants can help you to select the best products for your application while our qualified engineers and electricians are fully capable of installing these safety systems, we have the resources to provide complete turn-key projects. What's more, we love a challenge!



ULTI GROUP HAS COMPLETED MANY LARGE BARRIER PROJECTS AT MAJOR DISTRIBUTION CENTRES NATIONWIDE

**SAFE – TRAINED – CERTIFIED – EXPERT INSTALLATION AND SERVICE NATIONWIDE 24/7**

**Contact us today to discuss options available to you, and to arrange an on site visit to assist you and your health and safety staff in designing your traffic management control systems.**



# Ulti Group

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