



SEPARATING PEOPLE FROM HAZARDS

Safety Solutions For The Petrochemical Industry



- FLEXIBLE SOLUTIONS FOR ALL TYPES OF SAFETY HANDRAILS, RAILINGS AND BARRIERS
- COMPREHENSIVE RANGE OF COLLECTIVE AND PERSONAL FALL PROTECTION SYSTEMS
- PRODUCTS EXCEED THE PERFORMANCE REQUIREMENTS OF INTERNATIONAL STANDARDS
- DESIGN AND INSTALLATION SERVICE TO ENSURE COMPLIANCE WITH LOCAL INDUSTRY SPECIFIC STATUTORY REQUIREMENTS



Safety Solutions For The Petrochemical Industry

The workplace within the petrochemical industry can be hazardous and extremely volatile. Some of the challenges you face every day include compliance with regulations, injury and accident reduction, and worker health.

Kee Safety, a leading global supplier of handrail, guardrail and height safety equipment, offers cost effective, flexible and safe solutions for separating people from hazards.

In the petrochemical sector, durability, corrosion resistant materials and continuity of operations are vital. Kee Safety products help to meet all of these requirements.

Kee Safety has supplied and installed our safety systems on many petrochemical plants. We have provided our safety systems to Clariant, National Petroleum in Saudi Arabia, Chevron, Sunoco, BP, Solvay, Exxon Mobil, Nova Chemicals, ConocoPhillips, PolyOne, Lubrizol, Petro-Canada, Huntsman and Diamond Offshore to name just a few.



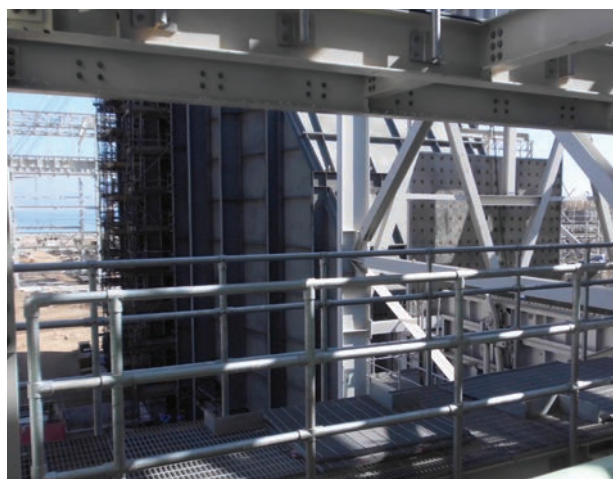
Safety Barriers

Kee Safety barriers offer a cost effective alternative to traditional welded handrail systems. Our barriers are quick and easy to design and easy to install, and very cost effective due to the modularity of their parts. Slip-on fittings securely join standard sizes of structural tube into almost any configuration imaginable, utilising the widest range of fittings available on the market today.

Kee Safety components eliminate the need for welding and drilling, so no hot work permit is required for the installation of our barrier systems, therefore production does not have to shut down during construction.

Our safety railing systems conform to stringent global industry standards. The main components are TÜV certified for strength, manufacturing quality and consistency.

Wide range of components offered by Kee Safety allows safety systems to be engineered to suit a variety of applications. Galvanised for corrosion resistance **KEE KLAMP** cast iron fittings have been used in industry for decades to build handrails and other safety railings. **KEE LITE** components, manufactured from aluminium, are far more chemical resistant than steel barriers and can withstand harsh weather conditions, high saline and corrosive environments.



Fall Protection & Safe Access Solutions

**Kee®
Safety**

In the majority of countries worldwide, falls from height are the leading cause of death or serious injury in the workplace. Every day contractors require regular access to roof tops to carry out essential building repair and maintenance work.

The presence of highly caustic, corrosive, and volatile materials such as chlorine and acid found in chemical and petrochemical plants, prompts a need for extensive maintenance and repair of pipe rack systems, clarifying and settling tanks, and other equipment which often exposes employees to fall hazards. Ensuring Workplace Safety and Health (WSH) Act compliance and worker safety requires a comprehensive fall prevention strategy.

It is the moral duty and legal responsibility of those in control of roof top work to do all that is reasonably practical to prevent anyone falling. Employers, employees and contractors must carry out risk assessments, prepare a method statement and consider whether an alternative form of access would be safer.

When considering which type of safety system to use, the Hierarchy of Safety is a good starting point when deciding what equipment is required.



Kee Safety offers a wide range of collective and personal fall protection solutions, including roof top guardrails, life lines, mobile man anchors, overhead fall protection, skylight and rooflight protection. By using our fully tested and certified systems, the health and safety of anybody who is required to work at height can be assured.

We also offer a wide range of safe access solutions, which allow people to work safely, whether on a roof, on a raised platform or within a production environment. Our safe access solutions include self closing safety gates, roof top walkways, access platforms for working at height and step-overs.



Expert Design & Installation Service

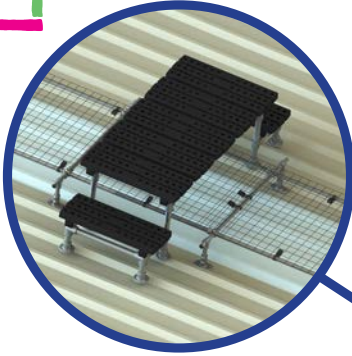
Kee Safety provides a premium design and installation service. We undertake surveys and produce the CAD drawings for each project, giving you peace of mind, as well as the most professional and cost effective solution. Our quality and attention to detail ensures that every application conforms to the highest relevant standards.

To arrange a free site survey call +65 6385 4166.

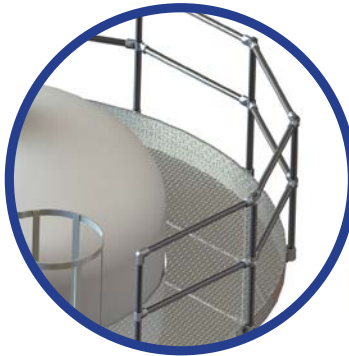
**Kee®
Safety**

Safety Solutions for The Petrochemical Industry

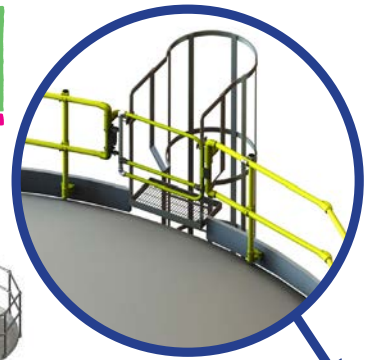
**Kee®
Walk**



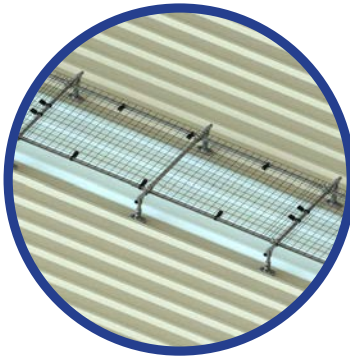
**Kee®
Lite**



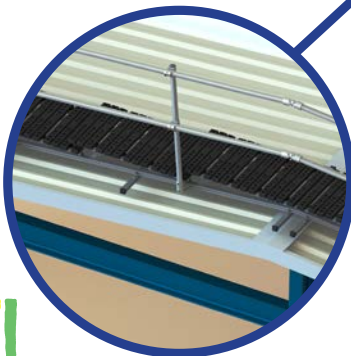
**Kee®
Gate**



**KeeGuard®
Topfix**



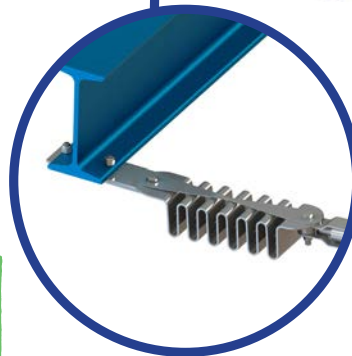
**Kee®
Cover**



**Kee®
Walk**



**Kee®
Line**



**Kee®
Klump**



Safety Solutions for The Petrochemical Industry

**Kee®
Safety**

**KeeGuard®
Ladder Kit**

**Kee®
Dome**

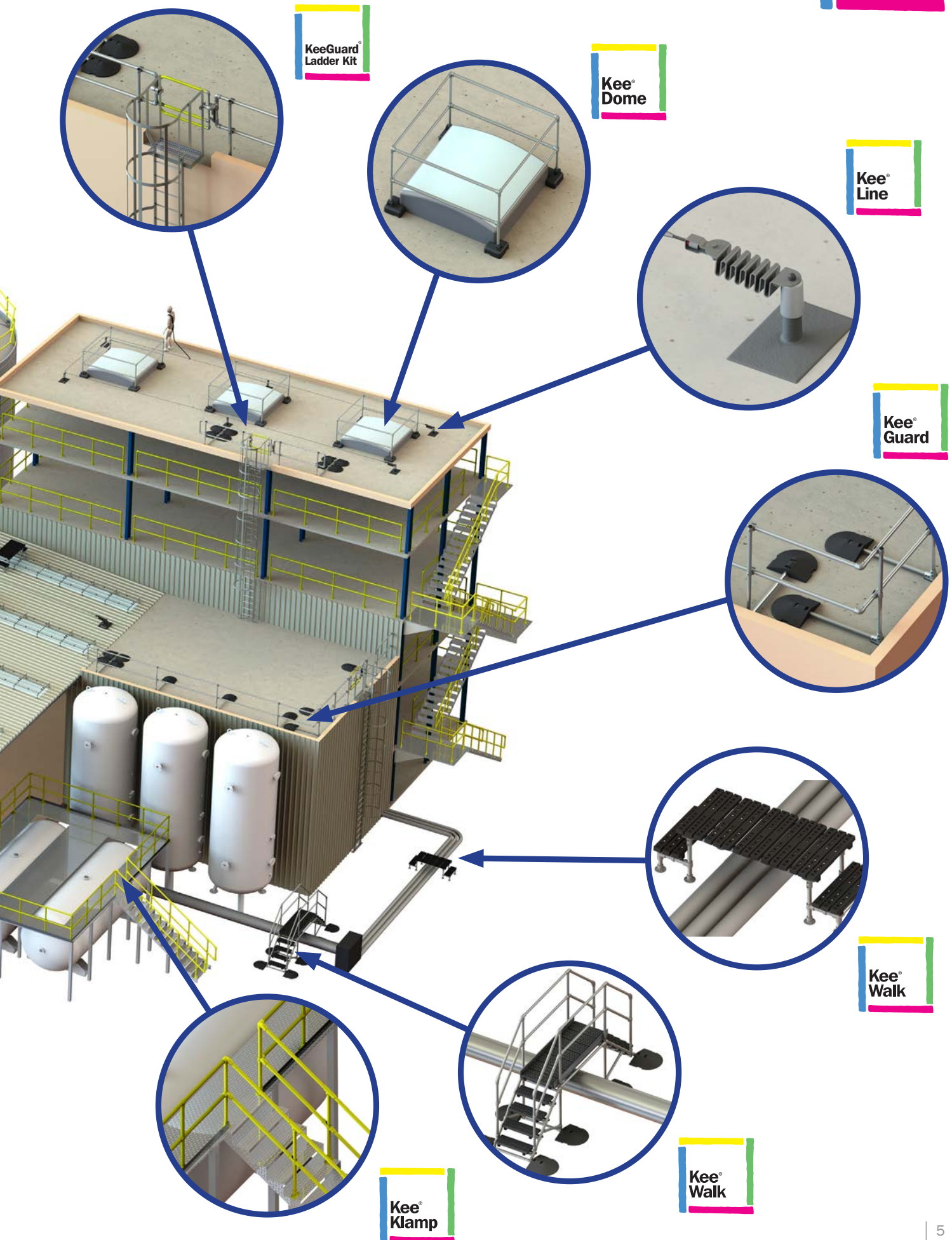
**Kee®
Line**

**Kee®
Guard**

**Kee®
Walk**

**Kee®
Klamp**

**Kee®
Walk**



Safety Solutions For The Petrochemical Industry



The Safety Solution for Free Standing Roof Edge Protection

KEEGUARD is a free-standing fall protection solution that works on a proven counter-weight system. It has been designed to provide permanent roof edge protection for areas where regular access for maintenance and inspection is required. The system does not penetrate the roof membrane.

- EN 13374 Class A
- OSHA



Edge Protection For Cladded Roofs

KEEGUARD TOPFIX provides collective roof edge protection specifically for metal profile and standing seam roofs up to 45°. The unique plate design allows the system to be fitted to a wide range of profile sheet centres.

- EN 13374 Class A
- OSHA



Portable Roof Edge Protection

KEEGUARD PREMIUM provides an innovative and unrivalled approach to guardrail systems. It is ideal for roofs with limited space such as those where solar panels have been installed.

- EN 13374 Class A
- OSHA



Guardrail Kit for Ladder Access Points

The **KEEGUARD Ladder Kit** combines **KEEGUARD** edge protection fixed either side of an existing fixed ladder with a **KEE GATE** self closing safety gate to provide safe access onto roofs for maintenance and inspection purposes.

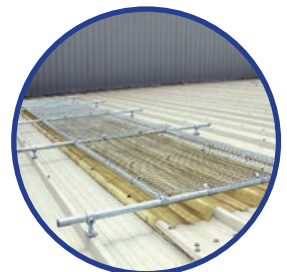
- EN 14122-4



Rooflight Protection

The **KEE COVER** range of rooflight protection has been designed specifically for use on metal profile roofs and provides effective protection without blocking the light into the building.

- EN 1873
- ACR Red Book.



Skylight Fall Protection

KEE DOME is a modular system designed specifically to prevent falls through skylights. Recycled PVC bases lock the posts into position around the perimeter of the rooflight. **KEE KLAMP** fittings and standard length tubes (1.5, 2.0 & 3.2m) are used to construct a rigid frame around the skylight.

- EN ISO 14122 part 3



Safety Solutions For The Petrochemical Industry

**Kee®
Line**

Engineered Life Line Systems

The **KEELINE** horizontal life line system is the ideal solution to providing fall arrest protection where guardrails are not suitable, or for when a virtually invisible solution is required. We also offer **KEELINE** Overhead - ideal for situations where overhead protection is required, such as vehicle loading, machine access, building maintenance and overhead crane access.

- EN 795



**Kee®
Walk**

Roof Top Walkways

The **KEE WALK** system provides an anti-slip, level walking surface for safe access to, and across roofs. It provides a demarcation route which protects the roof membrane from unnecessary foot traffic and potential damage. The system can be installed quickly and easily on a wide variety of roofs. A rooftop walkway with integral guardrail option is also available.

- EN 516 : 2006



**Kee®
Walk**

Roof Top Step Overs

A range of modular and bespoke step overs suitable for use on a variety of roof types and surfaces including concrete, membrane, metallic and composite. For low level obstacles we offer mini step over kits, which are available in various sizes.

- EN 14122-3



**Kee®
Gate**

Self Closing Safety Gates

The **KEE GATE** range of self closing safety gates is ideal for protecting access and egress on rooftops and in industrial environments. Each safety gate is spring loaded so it automatically closes behind the user.

- EN 13374
- EN 14122 Parts 3 and 4
- OSHA



**Kee®
Klamp**

Components for Safety Barrier Solutions

KEE KLAMP cast iron components offer the most flexible solution for the construction of safety railing, handrail, guardrail and barriers.

- EN 14122 Parts 3
- TÜV



**Kee®
Lite**

Aluminium Components for Safety Barrier Solutions

KEE LITE aluminium components offer flexible solutions for the construction of high corrosion resistant safety railing, handrail, guardrail and barriers.

- EN 14122 Parts 3
- TÜV



Safety is 'Kee' in the Petrochemical Industry



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