



SEPARATING PEOPLE FROM HAZARDS

# Safety Solutions for The Power Generation Industry



- FLEXIBLE SOLUTIONS FOR ALL TYPES OF SAFETY HANDRAILS, RAILINGS AND BARRIERS
- COMPREHENSIVE RANGE OF COLLECTIVE AND PERSONAL FALL PROTECTION SYSTEMS
- MEET AND EXCEED EUROPEAN AND USA STANDARDS
- DESIGN AND INSTALLATION SERVICE TO ENSURE COMPLIANCE WITH ALL MAJOR STATUTORY REQUIREMENTS

**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 energy sector safety, durability and corrosion resistance along with continuity of operations are vital. Kee Safety products can meet all these requirements.**

Kee Safety has supplied and installed both safety barrier and fall protection systems on many power generation plants. Our systems have been installed at Keppel Gas Turbine Power Plant in Singapore; Oman's Sohar 2 and Barka 3 Independent Power Plants; SWWC sea desalination water plant in Jeddah, Saudi Arabia; Vinh Tan Power Generation Complex in Vietnam and Vasilikos Power Station in Cyprus to name just a few.



## Safety Barriers

Kee Safety barrier systems offer a cost effective alternative to traditional welded handrail systems. Our barriers are quick and easy to design and 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. Construction requires a simple hex key only – no threading, welding or bolting is required so no need for hot work permits.



### Galvanised slip-on fittings

Innovative and versatile products that are used in the construction of safety handrails, railings and barriers. The fittings are hot dip galvanised cast iron for optimum corrosion resistance, strength & durability. Each component can support an axial load of 900 Kg and includes a 2:1 safety factor.

### Aluminium slip-on fittings

Tubular fittings manufactured from a high grade Aluminium Silicon Magnesium Alloy. The components are strong yet light, and extremely durable even in harsh environments. They are only one-third the weight of iron fittings and can be anodised to increase the corrosion resistance.

Kee Safety barrier systems conform to stringent global industry standards. KEE KLAMP and KEE LITE fittings have been tested and approved by TÜV, one of Europe's leading test houses.



- Simple way to create guardrail & handrail
- No welding / No hot work permits
- Quick installation / Cost effective
- Galvanised steel or Aluminium options
- High corrosion resistance
- Adaptable to changes in design
- Uses standard tube
- Flexible system allows on-site alterations



# Fall Protection 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.

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.



## The Hierarchy of Safety



## Where Fall Protection may be required?

- Air compressor building
- Gas turbine building
- Steam turbine building
- Emergency diesel generator building
- Workshop & Warehouse building
- Water treatment building
- Chemical storage shelter

## Design & Installation Service

Kee Safety can offer our customers a full design and installation service, undertake surveys and produce CAD drawings for each project to give you the most cost effective solution to your needs, and ensure that all applications conform to the relevant standards.

## Safety Solutions

Kee Safety offers a wide range of collective and personal fall protection solutions. By using correctly installed and tested systems you can ensure the health and safety of anybody who is required to work on a roof.



### Roof top guardrail systems

Provide permanent edge protection for areas where regular access for maintenance and inspection is needed. Complies to EN 14122 Part 3 and EN 13374 Class A, as well as OSHA Standard 29 CFR 1910.23, 29 CFR 1926.501 and 29 CFR 1926.502.

- Free standing non-penetrative roof edge protection
- Edge protection for metal profile and standing seam roofs
- Free standing roof edge protection without counterweights.



### Roof top walkways

A modular system of walkways and steps which provide a safe, anti-slip, level walking surface for anyone who needs to access a roof. Multiple fixing options for flat, barrel and sloping roofs. Complies with the test requirements of EN 516:2006.



### Engineered life lines

EN795 Class C horizontal flexible life line systems for roofs and for structures providing continuous protection for working at heights.

## Case Study



Vasilikos Power Station, Cyprus

Kee Safety has provided roof top safety to Vasilikos Power Station in Cyprus following a devastating explosion at a nearby military facility.

As the largest power station in Cyprus, Vasilikos is responsible for half of the power supply on the island. In order to resume full services after the explosion, the site required extensive refurbishment and repair. When planning the safe roof access requirements, the Electricity Authority of Cyprus (EAC) requested a safety solution that would eradicate any potential slips, trips and falls. Kee Safety's Kee Walk® aluminium walkway was specified for the exterior roof as it provides high corrosion resistance and a clear and safe path for users.

To tackle the falling issue on-site, Kee Line® Horizontal Lifeline was specified alongside Kee Walk® on the roof, as well as to the internal cranes to ensure user safety at height.

The project was carried out by a Kee Safety installer and was completed within 14 days. George Trypinotis, Project Manager at IACOVOU - the main contractor, commented: *"Congratulations on a job well done. We were delighted to be working with Kee Safety, alongside the approved installers. It allowed for easy cooperation which ensured the project was completed in a timely fashion without any problems."*



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## Other Projects



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