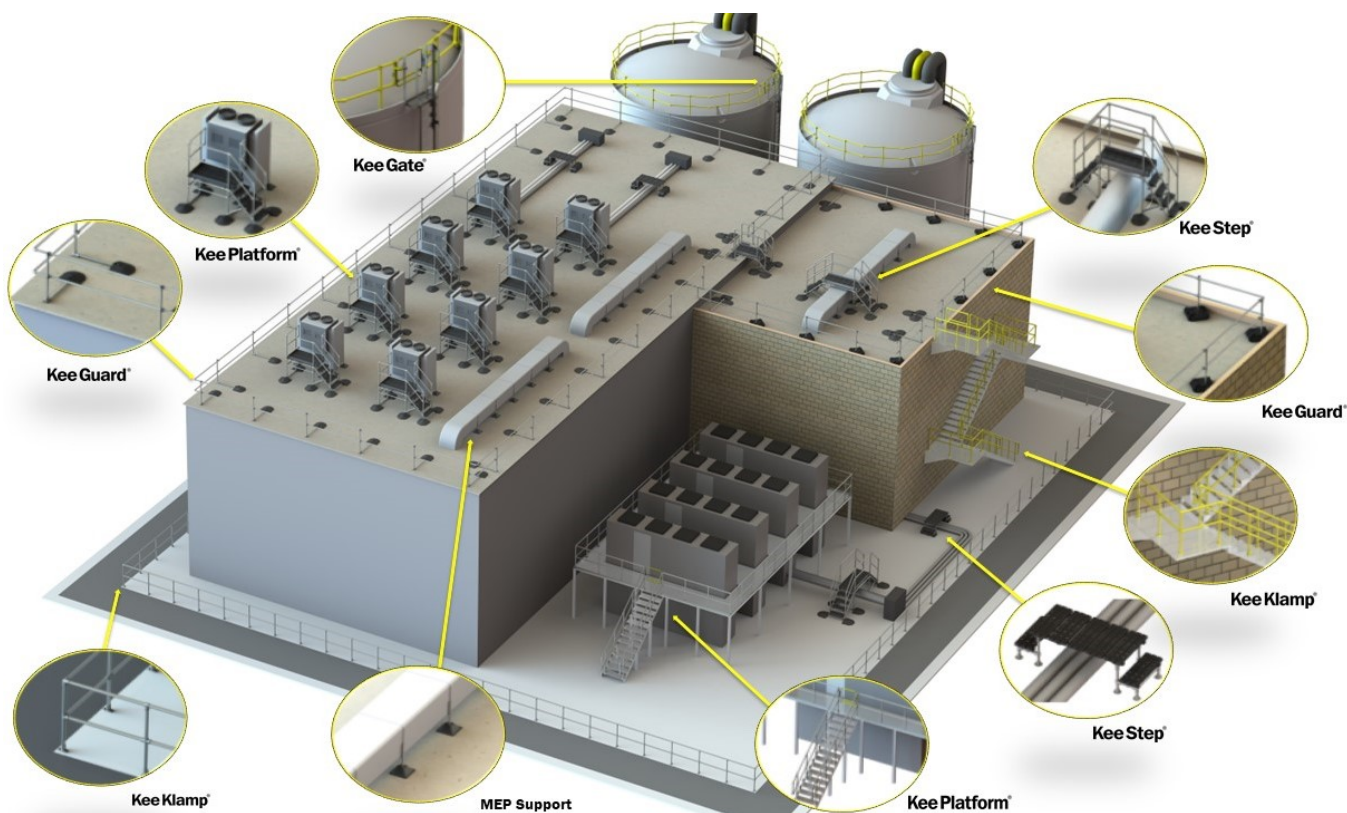# Kee® Safety

SEPARATING PEOPLE FROM HAZARDS

Fall Protection and Safe Access Solutions For Data Centres

ENABLING SAFE ACCESS TO YOUR CRITICAL INFRASTRUCTURE

Data centres have critical infrastructure and any outage could cost a company millions of dollars. They require a variety of equipment, like ventilation and cooling systems, UPS, generators and cabling, to ensure continuous operation. As most of these systems will be situated on the roof, access will be required by engineers and contractors to carry out regular inspections, maintenance and emergency repair work. This means that safe access onto and across the roof is vital.

Risks on data centre rooftops

Work at height is one of the main causes of occupational fatalities and serious injuries. Employers, facilities managers, building owners, contractors and anyone else who is responsible for the premises has a duty to protect people working at height on the roof and can be held responsible if an accident occurs.

Providing a safe environment for workers accessing the roof will reduce the risk of a costly accident, increase uptime and help to reduce operational costs.

Safety is Kee®

Kee Safety provides free standing fall protection systems based on a simple cantilevered design, which delivers unrivalled strength, stability and safety, and does not penetrate the roof membrane.

We offer site survey, design, drawings, supply, installation, commissioning, certification and end user training services.

- **Non-penetrating systems - no roof leaks**
- **Counterbalance engineering for maximum strength**
- **No welding, bending, or threading of tube - fast and simple installation on site**
- **Suits phased works - additional phases can be added and connected later**
- **Delivers reliable collective fall protection**
- **Complies with International Standards**

NON-PENETRATING RELIABLE SAFETY SYSTEMS

Rooftops contain all sorts of hazards. The main hazard areas, such as unprotected roof edges and obstacles on data centre rooftops, should be regularly reviewed to ensure work at height can be carried out safely. Following the hierarchy of fall protection is the best way to ensure the safety of workers on data centre rooftops.

Hierarchy of Fall Protection

1. Eliminate the Hazards
2. Collective Fall Protection
3. Work Restraint
4. Personal Fall Arrest System

FREE STANDING ROOF TOP GUARDRAILS

Edge protection, such as guardrails, is the preferred option for unprotected edges as they safeguard workers on the roof at all times and avoid the need for training.

The main benefit for data centres is that our KeeGuard® roof guardrails can be free standing, which means they simply sit on the roof and do not require fixing through the roof's membrane. Protecting the roof's integrity and avoiding costly leakages and preventing dust problems for the sensitive areas below the roof.

ACCESS PLATFORMS AND STEP OVERS

Rooftops contain a variety of trip hazards. Changes in level, M&E equipment and obstacles such as pipework, cable trays and conduits can make a simple maintenance task dangerous if the worker has to navigate around or over these hazards.
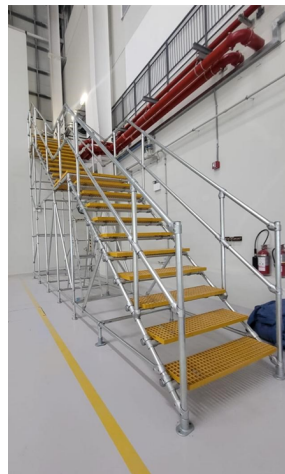
Access platforms and step-overs are simple, but effective, ways to provide a safe route over an obstacle or to a different roof level. As with the free standing guardrail systems, our access platforms and step-overs can sit securely on the roof without the need to penetrate the roof membrane.

Kee Safety: Your Fall Protection Experts

Kee Safety is the leading expert and global provider of safety equipment and fall protection systems. We offer our customers a complete service from site surveys and technical advice, through to design and installation.

Please contact one of our qualified Fall Protection Experts to discuss your project or schedule a roof top survey on +65 6385 4166 or by email sgsales@keesafety.com

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