

Dedicated to People Flow™



KONE 'Flagship' Model,  
the Mobile Portal Loader (Scissor) Lift

NEW EQUIPMENT, MAINTENANCE, REPAIR SOLUTIONS AND REFURBISHMENT

## Loading Bay & Goods Flow

## KONE Scissor Lifts

KONE has a wide range of in-house UK designed and manufactured scissor lift solutions designed for all types of delivery vehicle (including 'double deck' delivery vehicles). We also offer greater safety, capacity/versatility and efficiency over 'tail lift' loading and unloading processes or alternatively the transfer of goods between floor levels. Manufactured to KONE's renowned high quality, the range includes both standard and bespoke model/options with standard capacities of up to 10,000 kg and specials up to and in excess of 50,000 kg.

All fully compliant with the latest October 2011 European Scissor Lift Regulations 'BS EN 1570-1 : 2011' Safety Requirements for Lifting Tables.



## Pit Mountable Scissor Lifts

### Dock Lifts (Traditional 'Loading Bay' based Static Scissor Lifts) as pictured above and below

Pit mounted Dock Lifts are ideal for 'New Build' projects where pits can easily be accommodated and environments where regular heavy use is required. Utilising a robust design to give a long trouble free working life, the Dock Lift fully retracts into a pit providing a ramp free installation flush with the surrounding floor surface for maximum operator safety and ease of use. KONE Dock Lift's are powered by electro-hydraulic power units mounted internally or remote for ease of maintenance with operation of the Dock Lift via a constant pressure push-button station on a conveniently situated control console or hand held pendant controls. Available with a full range of stringent safety features enforced to meet regulations, client specifications and more.



## Surface Mounted 'Low Profile' Scissor Lifts - Static or 'Mobile'

### Dockloader Lifts (Static 'Low Profile' Scissor Lifts) as pictured below

Surface mountable Dockloader Lifts (due to their historically established industry leading ram arrangement allowing unrivalled 'Low Profile' closed heights) are ideal for 'Retro Fitting to Existing Sites' where the requirement of a pit could be difficult to achieve. Utilising elegantly simple design (considering it's 'low profile' nature) to give a proven long trouble free working life, the Dockloader Lift can be surface mounted to eliminate/minimise builders work requirements whilst accessed via various types of access ramps or pit mounted into a shallow pit providing a ramp free installation flush with the surrounding floor surface for maximum operator safety & ease of use. KONE Dockloader Lift's are powered by electro-hydraulic power units mounted outboard or remote for ease of maintenance with operation of the Dockloader Lift via a constant pressure push-button station on a conveniently situated control console or hand held pendant controls. Available with a full range of stringent safety features enforced to meet regulations, client specifications and more.



### Portaloader Lifts (Mobile 'Low Profile' Scissor Lifts) as pictured below and front cover

KONE's 'Flagship' Model (as featured on the front cover of this brochure), a stand alone mobile version of the above static Dockloader Lift for the ultimate in multi-versatile 'Loading Bay' Scissor Lifts. It also totally eliminates the need to carry out builders work to accommodate this scissor lift (subject to the availability of a level concrete floor surface to operate the Portaloader Lift on).

Note: Standard Dockloader Lifts & especially Portaloader Lifts have a maximum capacity rating of 5000 kg due to their 'Low Profile' nature and the Portaloader Lift's mobile nature.

Note: The Portaloader Lift's mobility comes from a detachable manual steering tug assembly (pictured below left) or a detachable powered steering tug assembly (pictured below right).

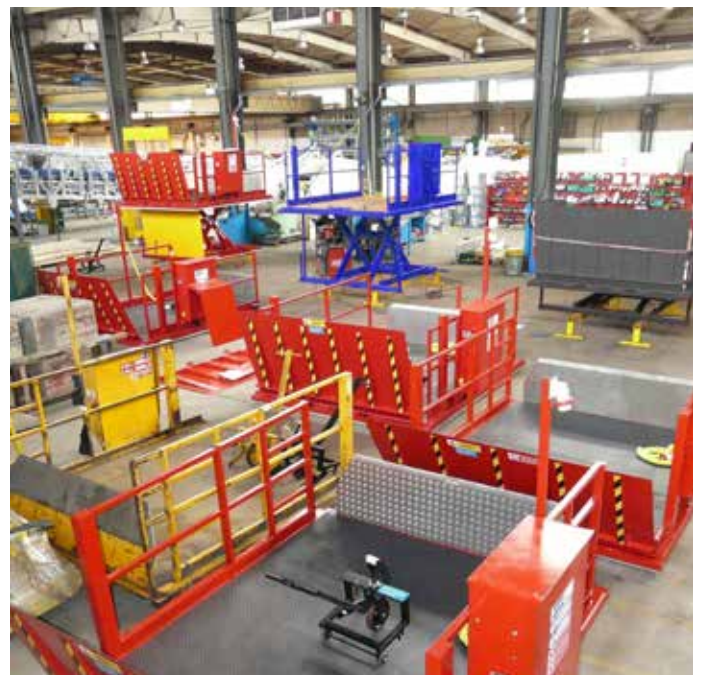


Note: Rental and contract hire options are available for Portaloader Lifts. Dock and Dockloader Lifts may also be available on a rent to buy option.



## KONE's UK Based 'in house' Design and Manufacturing

With over 50 years experience of loading bay and goods flow equipment with 'in house' design & manufacturing capabilities taking place here in the UK, combined with KONE's Keighley factory (pictured above and below) along with the special scissor lifts that KONE can provide (pictured left and right).



## KONE Case Study - Bespoke Scissor Lorry Lift at Merchant Square, London

With inner city floor space at a premium, at Merchant Square in London an innovative design solution was required to get the council's refuse trucks into the building's underground loading bay facility. Having exhausted the possibility of utilising a conventional lift arrangement (due in particular to a limited headroom available) KONE was tasked with coming up with a solution within the tight design constraints of the building.



KONE proposed a 30,000 kg capacity scissor lift to perform the 8.9 metres travel from street level down into the building's basement.

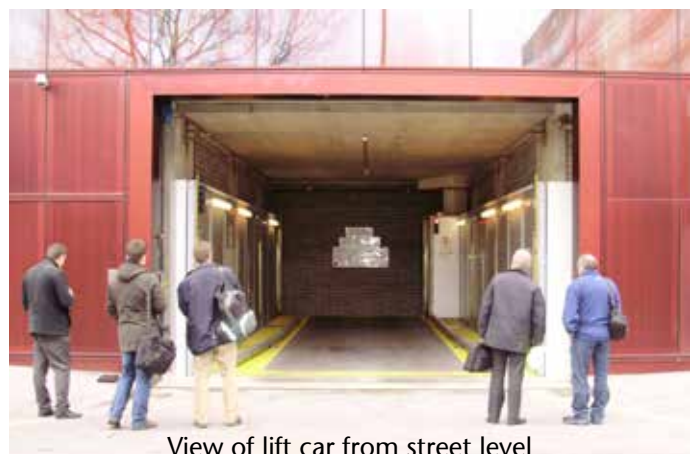
With an overall height of some 15 metres fully assembled, the roof had to be taken off of the factory in order to weight test this scissor lift - this was just one of the obstacles faced in the construction/installation of this mammoth scissor lift. Due to the sheer size & weight of the scissor lift it first had to be stripped back down into its component parts in order to get a lift capable of lifting an entire lorry transported to site on the back of a lorry. Installation on site was the next major challenge, with road closures in place it took 3 weekends to get the main components delivered to site & offloaded into place. Even in component form it then took a 100 tonne crane with a very complicated system of special hoists and lifting beams to offload and then manoeuvre the 16 tonne scissor mechanisms in through the side of the already constructed building.



Even on completion of the scissor lift installation, KONE then needed to source 37,500 kg of test weights in orders to site weight test the scissor mechanism as part of the final commissioning / handover to the client and KONE's service department.



View of lift car from basement level whilst loaded up with test weights



View of lift car from street level

## Dock Levellers as pictured below and right

KONE can also offer UK designed and manufactured powered Dock Leveller solution for all types of delivery vehicle (including 'double deck' delivery vehicles). All of this whilst offering greater safety and capacity over 'tail lift' loading and unloading processes, including greater efficiency, economy and environmentally greener than a scissor lift even. Manufactured to KONE's renowned high quality, the range includes both standard and bespoke models/options with standard capacities of up to 6,000 kg single axle loadings and specials up to and in excess of 10,000 kg single axle loadings!

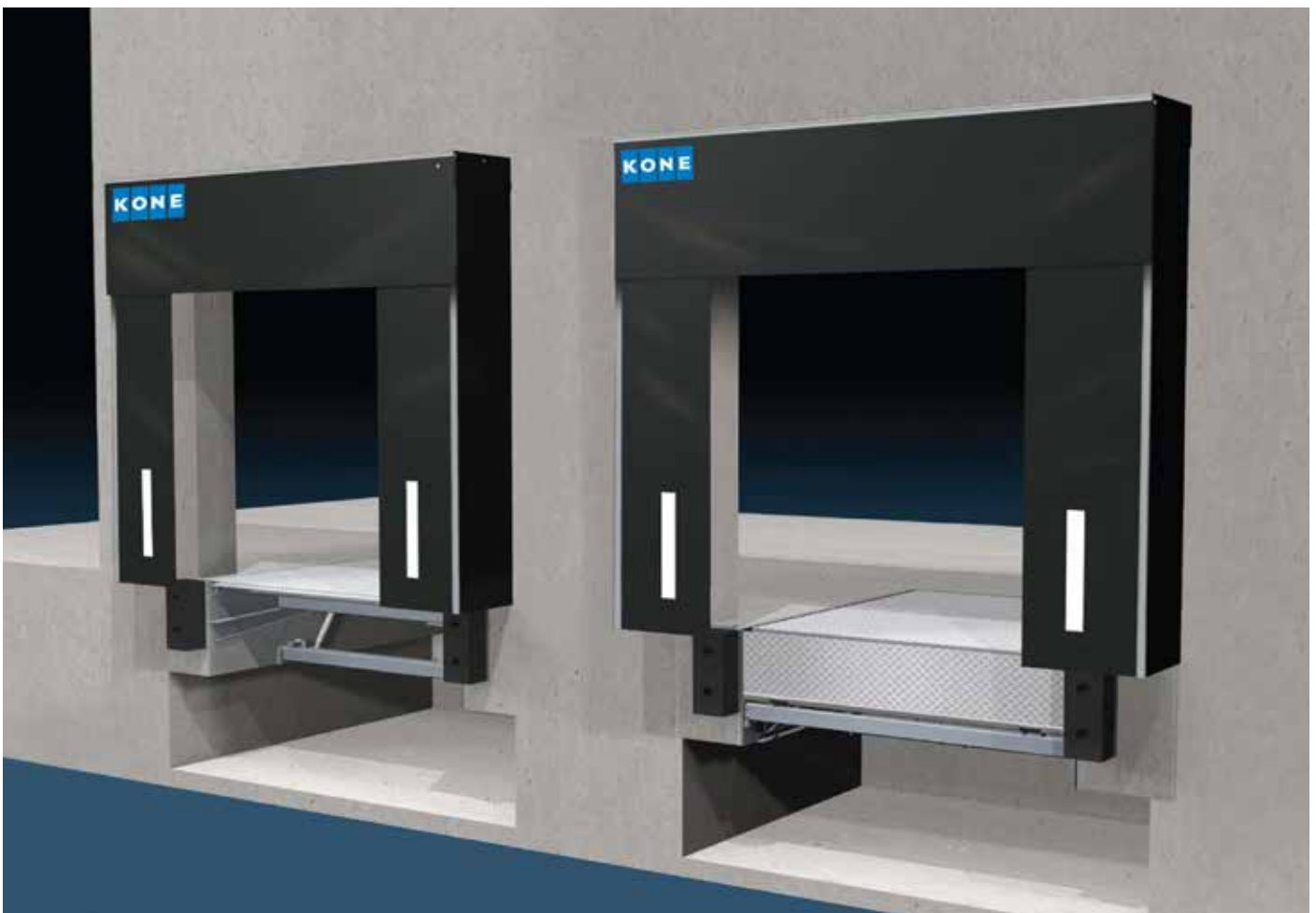
All fully compliant with the latest March '09 Dock Leveller Regulations 'BS EN 1398 : 2009' Dock Leveller's Safety Requirements.



There are two main types of powered Dock Leveller

The standard 'Swing' Lip Dock Leveller (pictured above and below right) which offers a fixed lip projection.

Or the 'Telescopic' Lip Dock Leveller (pictured below left) which offers a variable lip protection.



## Dock Seals & Shelters 'Collapsible' Dock Shelters pictured above

These provide a weather seal between the delivery vehicle and internal loading bay during goods transfer, protecting both operatives & goods from the worst of the weather, also helping improve your building's environmental efficiency during the goods transfer process.

Dock Seals are solid foam filled pads which are compressed by the delivery vehicle to form the seal and therefore need to be mounted off of a structural wall.

Dock Shelters can be either solid or collapsible frames supporting curtains across the top & both sides and therefore can be mounted off of a non structural wall (eg. cladding).

Other special sorts of Dock Shelter are also available, double head curtains or powered head curtains to suit a mix of single & double deck delivery vehicles, Inflatable, etc...

## Maintenance Service and Repair



When you commission KONE plc as your service provider you will find that we do far more than just repair and maintain your equipment. Our customer led philosophy practiced throughout the company is designed to enhance the operational reliability and life expectancy of your equipment.

This philosophy, combined with our professional approach to the maintenance and repair of our customers equipment, has established us as one of the UK's most consistent and reliable service providers in our market. We understand the value of relationships and always endeavour to maintain a one point of contact relationship for all of our customers throughout the UK. In practice this means that in each and every one of our depots we have sales specialists who look after the day-to-day requirements of our local customers. For those customers with multiple locations we have both regional and national account management teams dedicated to personal service. The teams operate from one of our regional centres including the national accounts centre in Bristol.

We have a 24 hour, 7 day a week UK based call centre with nationwide coverage.

## Refurbishment Packages

### Before



### After



KONE offers two standard scissor lift refurbishment packages, a basic (for a projected additional 10 year lifespan) and a comprehensive (for a projected additional 15 year lifespan and including a 12 month warranty) which we are currently applying at our Keighley factory to a 24 year old UK Lift scissor lift.

Alternatively, we are happy to discuss client / site specific bespoke scissor lift refurbishment packages.



KONE provides innovative and eco-efficient solutions for lifts, escalators, automatic building doors and the systems that integrate them with today's intelligent buildings.

We support our customers every step of the way: from design, manufacturing and installation to maintenance and modernisation. KONE is a global leader in managing the smooth flow of people and goods throughout buildings.

This makes us a reliable partner throughout the life cycle of buildings. We are fast, flexible and we have a well-deserved reputation as a technology leader, with such innovations as KONE 24/7 Connected Services and KONE UltraRope®.

KONE employs over 57,000 dedicated experts to serve you globally and locally.

## KONE PLC

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