

# Powershelter® Dock shelters

## A condition for your logistical progress

### The Ins & Outs of Logistics

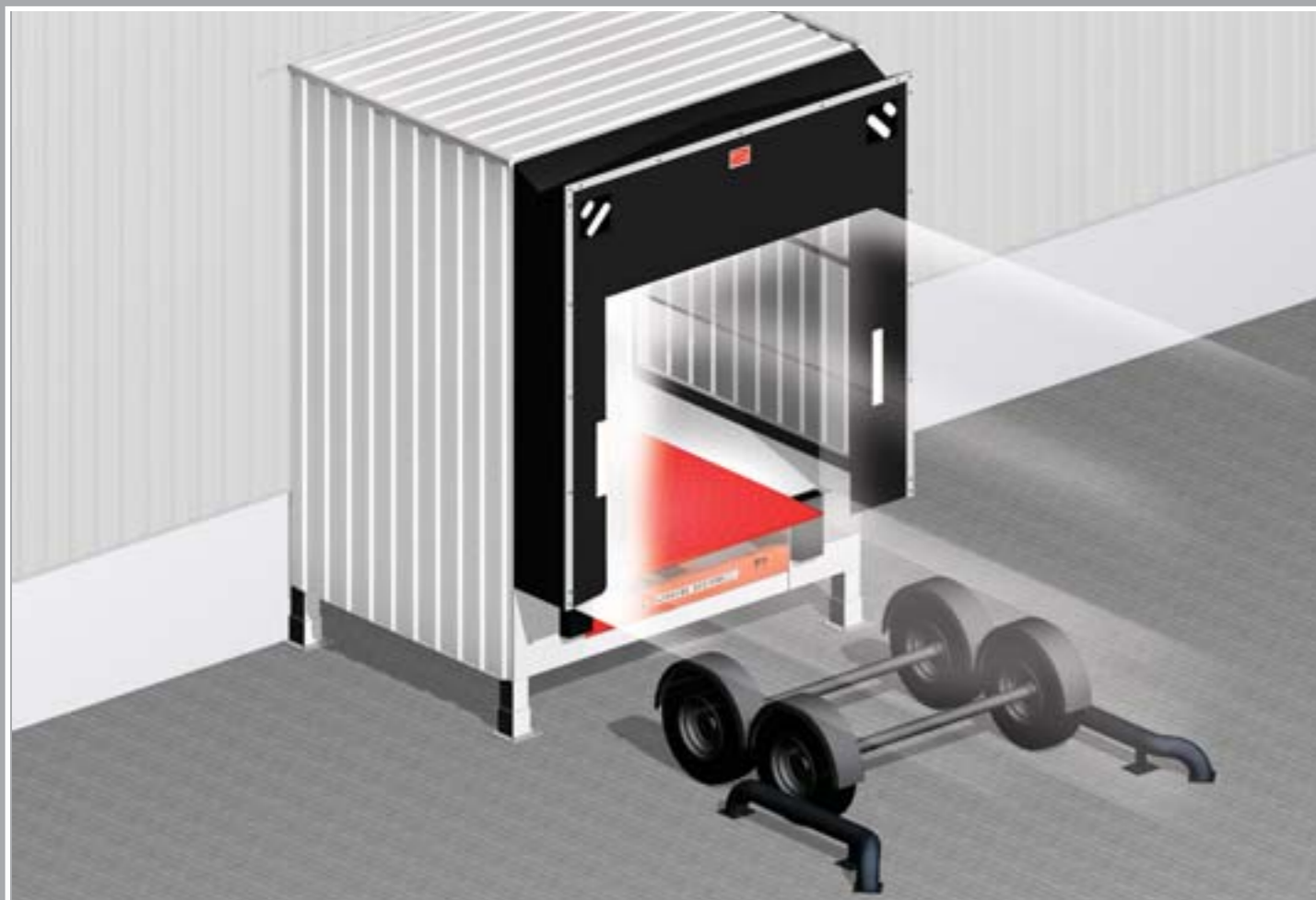
Loading Systems is an organisation operating within the transitional area between internal and external logistics. The organisation is focussed on activities to control the flow of goods between the warehouse and the external world as effectively and as smoothly as possible, whilst taking all requirements regarding dimensions, weights, loads, type of fleet, climate, ergonomics and aesthetics etc. into consideration.

The products and systems are characterised by concepts such as quality, durability, safety, functionality, ease of operation, quick installation procedures, maintenance friendliness and far reaching service facilities. This unique combination of characteristics is based on decades of experience and a vast knowledge and expertise in the field of warehouse logistics and physical distribution.

As a result of this we have developed a range of products, which has been divided into seven different groups, being:

- Powerplate (loading plates)
- Powerramp (dock levellers)
- Powershelter (dock seals & shelters)
- Powerlock (vehicle restraint systems)
- Powerdoor (industrial doors)
- Powerlift (lift platforms)
- Accessories

All products and systems included in the above are directly involved with all aspects of the loading and unloading activities of warehouses. Due to this complete product range Loading Systems is well known as a total solutions supplier.



### Powershelter® 400

Cushion dock shelter, including or excluding overlapping armour pleats

- For the optimal sealing and suitable for use in situations where there is variation between internal and external temperature but where the range of vehicle sizes is minimal.
- Over the complete height, overlapping armour pleats can be positioned, which follow the upward and downward movement of the docked vehicle in order to prevent (excessive) wear and limit the risk of tearing.

### Powershelter® 403

Durable curtain dock shelter, built-in (non projecting) or projecting frame type.

- Due to the curtain concept, the dock shelter is ultimately suitable for situations where the dimensions of vehicles greatly vary.
- The curtains have been provided with rubber springs including a steel core and as such the springs remain resilient in extreme circumstances.
- The retracting framework features ensure that the system is relatively insensitive to damage. If improperly approached, the Powershelter will hinge upwards which prevents damage and the vehicle will remain accessible for loading purposes.

### Powershelter® 404

Durable laminated dock shelter, built-in (non projecting) or projecting frame type.

- Due to the laminate concept, it is ultimately suitable in situations where the dimensions of docking vehicles vary.
- The overlapping laminates including the double steel core are retained by means of a flange in the lateral profiles, which ensures a durable and solid fastening.
- The material of the top curtain, which is based on polyester, is flexible in the longitudinal direction and is stable in the width. On both sides these curtains have been provided with an extreme wear resistant antistatic top cover.

### Powershelter® 405

Durable curtain dock shelter, including a special foam core in the side sections and an automatic lifting top.

- Due to the flexible side sections, no damage can occur due to incorrect approaching vehicles, ultimately suitable in situations where dimensions of the vehicles vary and wheel guides cannot be installed.
- The systems' flexibility has been incorporated in the side sections and top section as well. In the event of a collision, these sections can twist either upwards, sideways or downwards. Moreover, no parts have been included in the design of the side sections which can be damaged by collision. As a result the longevity of the system is extended considerably and the aesthetic view of the building is guaranteed.

### Powershelter® 407

Inflatable cushion dock shelter, built-in (non projecting) or projecting frame type.

- Due to the flexibility of the inflatable cushions, which assume the form of the vehicles contours, the most effective and durable method for sealing loading bays where dimensions of vehicles vary considerably.
- When not inflated, the cushions are hidden behind protective strips, which enables the drivers to have a clear view while reversing.
- The unique, free moving fastener ensures that the cushions can move outwards in order to prevent damage to the suspension or cushions in the event the vehicle pulls away.



The extensive standard Loading Systems Powershelters range can be provided with multiple options and accessories, all in accordance with the clients' specific demands.

A selection of options, randomly selected:

**Option 1:**  
Various colours of the Powershelter or approach markers.  
Powershelter 400, 403 and 405.

**Option 2:**  
Various dimensions of curtains or cushions.  
Powershelter 403, 404, 405 and 407.

**Option 3:**  
Various dimensions of the Powershelter.  
Powershelter 400, 403, 404, 405 and 407.

**Option 4:**  
Corner sealing elements.  
Powershelter 403, 404, 405 and 407.

**Option 5:**  
Double laminated top curtain.  
Powershelter 403, 404 and 405.

**Option 6:**  
Numerals on top curtain.  
Powershelter 403 and 404.

**Option 7:**  
Powershelter non projecting.  
Powershelter 403, 404 and 407.

**Option 8:**  
Various projection dimensions.  
Powershelter 403 and 404.



# General characteristics and advantages

In order to effectively compensate for the difference in size between the loading bay door and the vehicle, Loading Systems supplies the Powershelter dock shelters.

When the Powershelter dock shelter is used variations in internal climate are reduced, which is in the interest of the stored goods. Furthermore, employees are protected from draught or extreme temperature fluctuations. The Powershelter dock shelters have the ability to reduce the energy consumption in warehouses and to limit the absence of employees through illness.

This brochure includes a summary of the major important characteristics and advantages of the Powershelter dock shelters, which are applicable to the complete Powershelter range as well as a detailed listing of the major characteristics per type:

## Durability and maintenance

- All Loading Systems' products and systems, including the Powershelter dock shelters, meet stringent quality requirements.
- The material from which the curtains and cushions are manufactured, is characterised by a high tear strength, UV-radiation resistance and resistance against extreme temperature fluctuations.

## Functionality

- As a standard, the front side of the Powershelter dock shelter is provided with approach markers. These markers serve as reference points for the driver, in order to dock as accurately as possible. As such the gaps around the loading bay door resulting from incorrect docking is reduced and the possibility of damage limited.



## Custom-made solutions

- For custom-made versions, various options are available which increase the user-friendliness, improve safety and enable integration with other products or systems on the loading bay. Furthermore there are many options to adjust the system to the architectural aspects of the building.



**Loading Systems International BV**  
Loodsweg 1, NL-8243 PH Lelystad  
Tel.: +31 (0) 320 225 200, Fax: +31 (0) 320 261 347  
E-mail: info@loading-systems.com

**Loading Systems Belgium NV**  
Frankrijklei 88, B6, B-2000 Antwerpen  
Tel.: (03) 2 31 54 70, Fax: (03) 2 31 48 34  
E-mail: info@loading-systems.be

**Loading Systems Deutschland GmbH**  
Siemensstraße 11, D-65779 Kelkheim  
Tel.: (0 61 95) 7 00 90, Fax: (0 61 95) 7 40 39  
E-mail: info@loading-systems.de

**Easilift Loading Systems LTD.**  
Spring grove, Penistone Road, Kirkburton, Huddersfield GB-HD8 OPL  
Tel.: (0 14 84) 60 14 00, Fax: (0 14 84) 60 14 01  
E-mail: sales@easilift-loading-systems.co.uk

**Loading Systems France SA**  
4, Allée de la Fontaine des Tournelles, F-77230 St. Mard  
Tél.: (01) 60 03 59 59, Fax: (01) 60 03 93 05  
E-mail: info@loading-systems.fr

**Loading Systems Nederland BV**  
Loodsweg 1, NL-8243 PH Lelystad  
Tel.: (0320) 225 225, Fax: (0320) 261 655  
E-mail: info@loading-systems.nl

**Loading Systems Schweiz GmbH**  
Hofmattstraße 12, 4950 Huttwil  
Tel.: (0 62) 9 59 70 30, Fax: (0 62) 9 59 70 31  
E-mail: info@loading-systems.ch

[www.loading-systems.com](http://www.loading-systems.com)



# Powershelter® Dock shelters



Powerplate



Powerramp



Powershelter



Powerlock



Powerdoor



Powerlift



Accessories