

# Powerdoor® industrial doors

## A condition for your logistical progress

### The Ins & Outs of Logistics

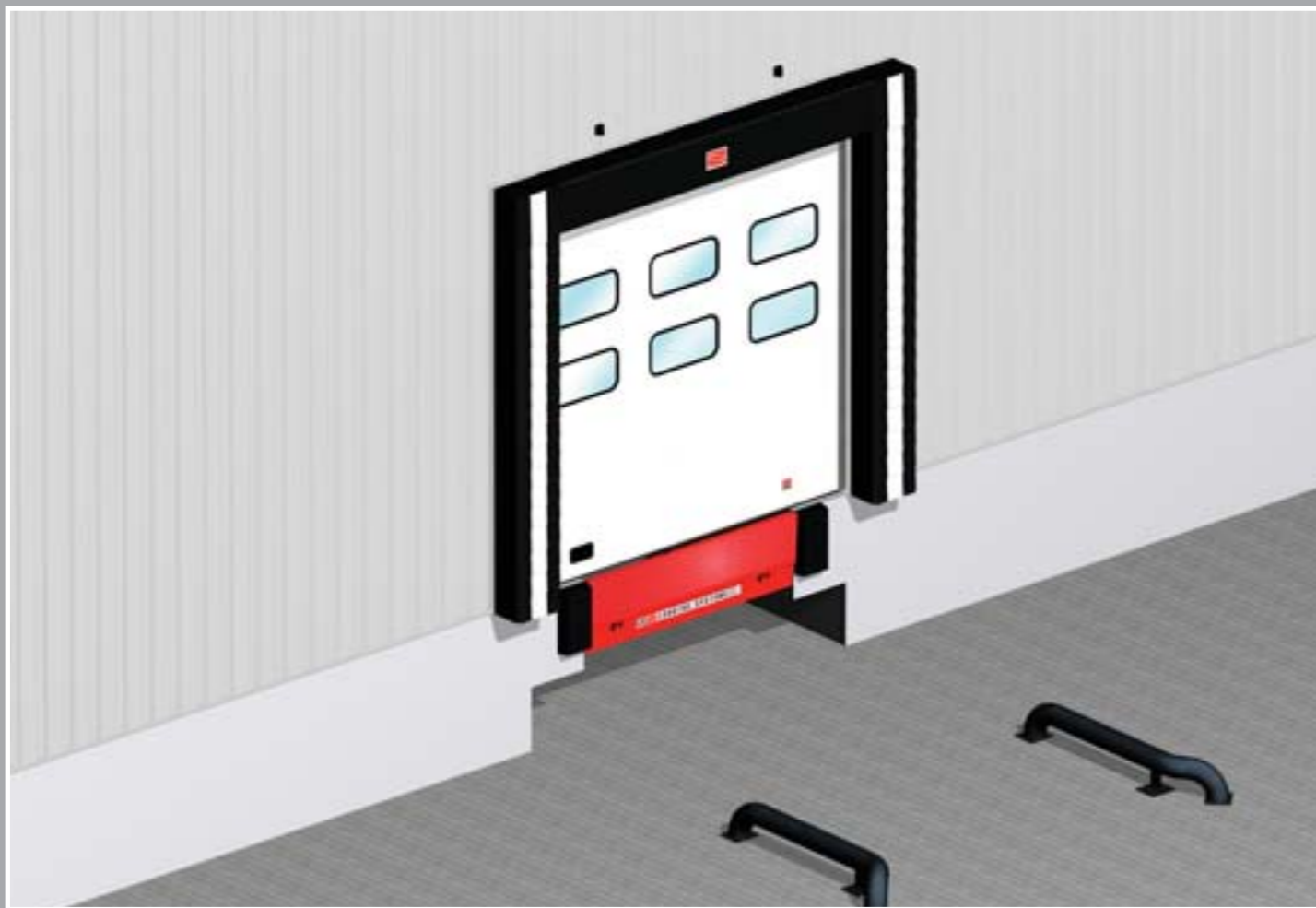
Loading Systems is an organisation operating within the transitional area between internal and external logistics. The organisation is focussed on activities to organise the flow of goods between the warehouse and the external world as effectively and as smoothly as possible, whilst taking all requirements 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 stretching 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:

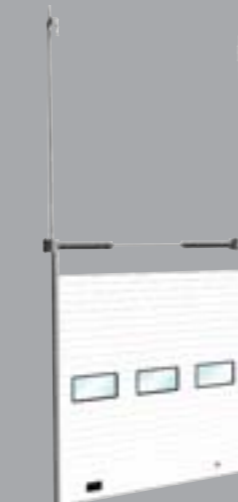
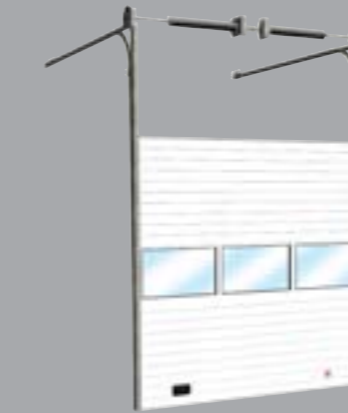
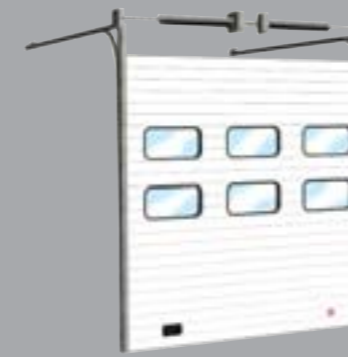
- Powerplate (loading plates)
- Poweramp (dock levellers)
- Powershelter (dock seals & shelters)
- Powerlock (vehicle restraint systems)
- Powerdoor (industrial doors)
- Powerlift (lift platforms)
- Accessories

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



### Standard track system

If the available free upper space is minimal, the standard or even the low lift system can be selected.



### High track system

If the free upper space requires more space than needed for the standard or low lift system, the door can move upwards along the wall, prior to turning inwards.

### Vertical track system

If the free upper space is larger than the standard height required for a regular lift system, the door can move upwards along the wall without having to turn inwards.

### Full vision

The Powerdoor can be supplied for all types of lift systems including full glazing

### Dockdoor

Due to the small dimensions, an ultimately cost-effective Dockdoor has been designed specifically for loading bays, which is an alternative for the vertical track system.

The extensive standard Loading Systems Powerdoor 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:**  
Glazing:  
rectangular / oval / full Vision.

**Option 2:**  
Colour of your own choice.

**Option 3:**  
Passage or wicket door.

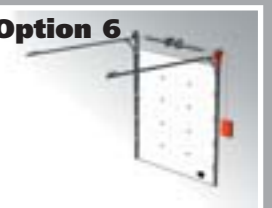
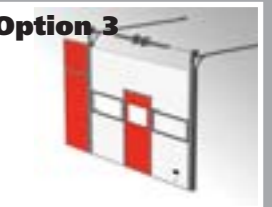
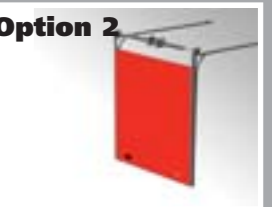
**Option 4:**  
Numerals on the Powerdoor.

**Option 5:**  
Passage safety device:  
pneumatic or via photocells.

**Option 6:**  
Electrical operation.

**Option 7:**  
Operational possibilities:  
ceiling pull switch/remote  
control/induction  
loop/photocells.

**Option 8:**  
Stainless-steel fittings for  
application in automatic  
car wash, etc.



# General characteristics and advantages

The Powerdoor is an industrial sectional door, which can be installed in any type of area, due to its large range of track systems and operational possibilities.

The characteristics of the Powerdoor are high quality, safety, superb thermal insulation as well as sound insulation, functionality and practical ease of operation.

This brochure includes a summary of the major characteristics and the advantages of the Powerdoor sectional doors which are applicable to the complete Powerdoor range, as well as a detailed listing of the main characteristics of each individual model:

## Durability and maintenance

- High quality materials and finishing guarantee durability, optimal insulation and low maintenance



## Functionality and ease of operation

- By selecting the correct track system, the positioning of the door panel during opening can be such that the door opening and the adjacent space are fully cleared.
- Made to measure torsion springs ensure a perfect balance of the door, at all times. The opening and closing of the door does not require extra effort, irrespective of the applied operational method.
- The electric powered Powerdoor is provided with an emergency operational system as a standard, as a result the door will open and close even if a power failure occurs.
- Due to the modular construction of the electrical operation system, it can easily be extended with several control functions.
- The Powerdoor can be supplied and installed separately, but also in combination with other Loading Systems products and systems, it can be an integral part of a total solution, as the perfect link between internal and external logistics.

## Custom-made solutions

- Each situation is different therefore we have a wide variety of finishes, operational systems, installation possibilities (track systems) and options. As such it is possible to create solutions, which meets the requirements on site, and where optimum user-friendliness and safety are 'the' top priorities. Furthermore, integration into other products or systems to the loading bays as well as the architectural aspects of the building can be taken into account.



## Quality and safety

- Powerdoor industrial doors fully comply with all relevant European safety standards (amongst which EN 12604 and EN 12453) and are provided with a CE-marking, a guarantee for quality and safety. This means that the standard provision of the Powerdoor includes many provisions in the field of safety. In short, the Powerdoor is safeguarded as such that dangerous situations, which could lead to personal injury or damage to the door, are prevented.
- Seals around the door surface ensure an optimum sealing, resulting in energy cost-savings and improvement in working conditions.
- In order to prevent corrosion, the guide rails, profiles, connecting pieces, hinges, bearing roller supports and bearing plates are fully galvanised as a standard, and the guide rails as well as the other fixed connections are fastened to the sturdy profiles by means of a pressure-joint technique.



**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)



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Powerplate



Poweramp



Powershelter



Powerlock



Powerdoor



Powerlift



Accessories