

**the passion to drive doors**



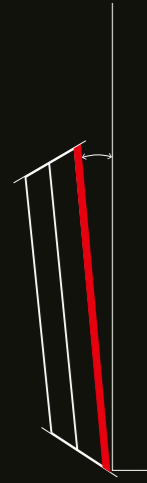
## **Our passion: automatic pedestrian and industrial doors**

Each automatic pedestrian and industrial door system we produce at TORMAX reflects our company's decades of experience, our technologically and qualitatively outstanding solutions and the strong commitment of our employees.

TORMAX helps you realise your ideas and preferences. Our wide range of products, powerful drives, countless configuration options and personal support allow us to make everything possible for you – from practical system solutions through to complex customised products.

Let the following pages inspire you! We are happy to develop and implement your projects and maintain them throughout their service life.

# New designs, new standards



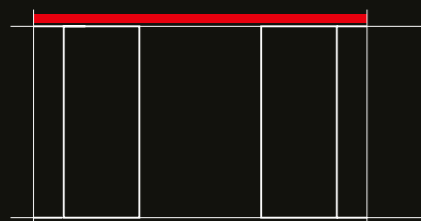
New standards in design and statics: the filigree glass facade of this office building tilts seven degrees from the vertical and gracefully defies gravity. To realise the architect's bold idea, TORMAX had to come up with a few innovative ideas in developing the envisaged automatic door system.

Custom designed guide systems support the door in its inclined position. The door leaves are made entirely of insulating glass, the customised frame assembly withstands the unusual loads, and the drive is hidden out of sight in the profile above the door.





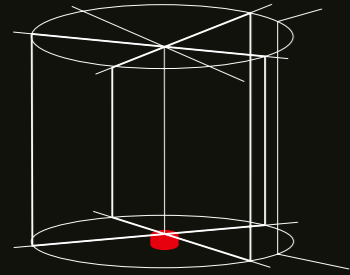
## Transparent design provides light and elegance



The interior of a striking high-rise building in the Belgian capital is dominated by noble materials and simple structures. In the passage to this gallery, for example, a door can only just be discerned at first glance. The frameless door leaves are made entirely of tempered glass, the passage is wide and bright, the drive is concealed.

Elegance, lightness and open space: light floods the corridor unhindered and guides visitors to their destination. TORMAX integrated the door drive into the ceiling. Only the discreet slots that guide the door leaves remain visible.

# A smooth transition between inside and outside



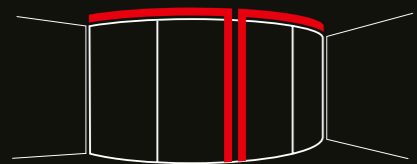
TORMAX has developed an automatic all-glass revolving door system for prestigious main entrances that can also be placed free-standing behind a clear, straight facade. The smooth outer skin of the building remains untouched, while the filigree construction with no central column consistently follows the design in the interior, at the same time preventing any draught in the open, generous entrance hall.

The drive of revolving doors with a glass roof is typically embedded directly in the floor. But it can also be mounted further down: on the ceiling in the basement. This protects it from all external influences and makes it easily accessible.





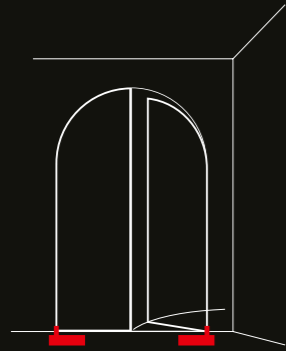
## Creating visual highlights with seamlessly closing round arches



The automatic curved sliding door system produced by TORMAX sets the architectural tone, displaying style and personality at first sight. The layout of the owner's cabin on this exclusive ocean-going yacht is round. To complete the circle, a large glazed curved sliding door was installed.

To ensure that the door leaves open and close smoothly even on high seas, they must fit exactly and move with the utmost precision along their entire length. A proven and intelligent control system ensures that the round arches close seamlessly.

# Creative freedom with invisible power



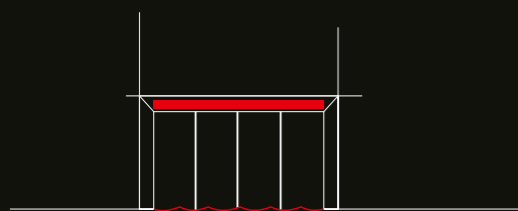
Filigree swing doors made of glass or massive doors in historical buildings are difficult to automate without visible drive technology. By the same token, the usual lintel-mounted drives are not an option for doors with round arches or other shapes. Monument preservation orders may also pose challenges for door automation. For all these situations, TORMAX offers the appropriate, invisible drive solution which is fully recessed in the floor or in the door lintel.

The swing door in this church, for example, is equipped with the TORMAX iMotion 1401 drive system which is concealed in the floor. It acts directly on the rotational axis of the door, eliminating the need for any linkage. The drive housing is entirely dustproof and waterproof with the corresponding certifications.





## Resistant to water, dust and corrosion

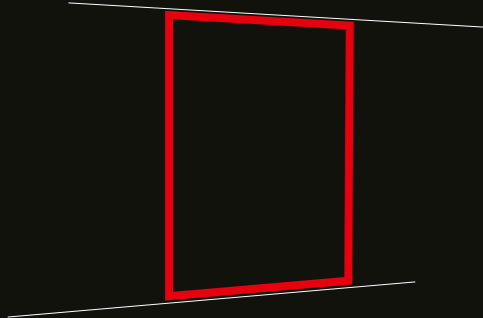


Depending on where it is used, an automatic door system must be able to withstand the harmful effects of dust, water, cleaning agents and chlorine in the air. TORMAX door drives are available as corrosion-free, dustproof and waterproof versions certified to protection codes IP68 and IP65. Combined with hard-wearing door leaves, they make up a virtually indestructible automatic door system that is equally suitable for swimming pools as it is for ocean-going vessels or facilities with strict hygienic requirements.

The stylish Nordic architecture of this wellness facility appeals with its noble materials and the transparent transition to Denmark's magnificent natural landscape. Discreet and elegant, the automatic TORMAX sliding door opens the way for guests to the pool's outdoor area.



## A wide range of visual and functional options



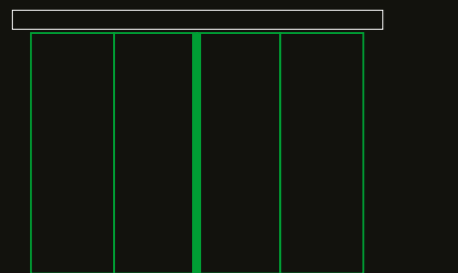
TORMAX door systems can be configured to any design and equipped with a wide variety of functions. Door leaves for wet or damp rooms, with radiation or sound insulation, heat-insulating or burglar-resistant doors – TORMAX has the right solution for every situation in wood, composite, steel, glass or any other material.

High-resolution, brilliant images can also be realised on TORMAX door systems without having to make any compromises. The spectrum ranges from purely functional lettering in patients' rooms to graphic elements in integrated interior design and art in buildings. The graphic motifs are incorporated into the door leaves using a special technology that makes the surfaces scratch-resistant, easy to clean and acid-resistant – and as such also ideal for facilities with strict hygienic demands.





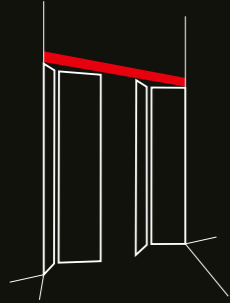
## Sustainability, efficiency and atmospheric quality



Sustainability, economic efficiency and a pleasant indoor climate can be combined in buildings perfectly well, especially when planning over a longer horizon and building with high-quality systems. Building owners can rely on the high quality standard of TORMAX.

Our automatic door systems are designed to achieve a significantly longer service life than other manufacturers' systems, even under heavy use. As such, they have only a very small ecological footprint in comparison. Equipped with thermally separated, slim door profiles, the door systems also offer high energy efficiency with no compromise on aesthetics, a superior indoor climate and low operating costs over the entire life cycle.

## Effective and safe in confined spaces



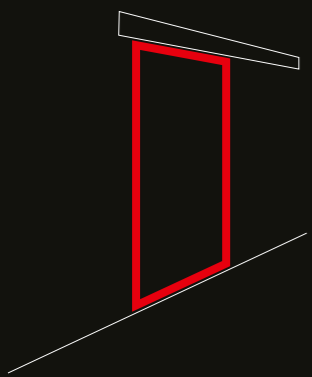
If there is not enough space for either a sliding or a swing door, a folding door is the ideal solution. Its exceptionally compact design makes this door type the unmatched space saver and a perfect option for retrofitting and renovation projects.

TORMAX folding doors not only save space – they stand out with another special feature: the drive system is based on sliding door technology rather than on the more common swing door controls. This offers clear advantages in terms of safety: the reversal of the folding wings is particularly responsive upon encountering obstacles, and all safety features can be easily integrated.





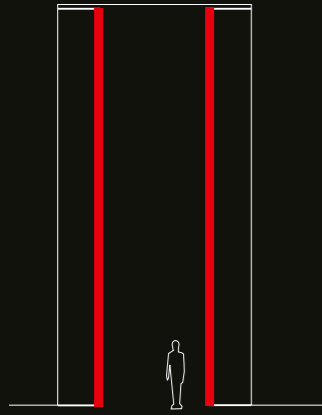
## Hermetically closing doors at the cutting edge of technology



As a rule, a hermetic door must be able to do more than just seal the ambient air between the outside and the inside. Apart from hygiene, radiation and fire protection, it also needs to operate silently and provide a high level of noise insulation to allow highly qualified professionals to focus on their work. Such doors must also remain absolutely tight, even with large pressure differences.

TORMAX sets new quality standards for hermetically sealed doors. Our certified door system meets the various quality requirements of highly sensitive work areas in hospitals, clinics, laboratories and clean rooms as well as in air-controlled food storage facilities.

# A powerful drive for a sliding door in a class of its own



A massive sliding bronze door separates the light-flooded, shared lobby of two Sydney office towers. It is ten metres high, five metres wide and weighs a massive five tonnes. Opening or closing it by hand is not an option, so the sliding door must run automatically. Apart from its aesthetic appearance, it also fulfils a purpose: in an emergency, it serves as a fire door.

Moving a door of these dimensions requires tremendous engine power. TORMAX installed a special solution that was specifically developed and produced in-house for this purpose. In case of a fire, the door closes immediately. A sliding door in a class of its own that allows thousands of people to pass through every day. Powered by TORMAX.

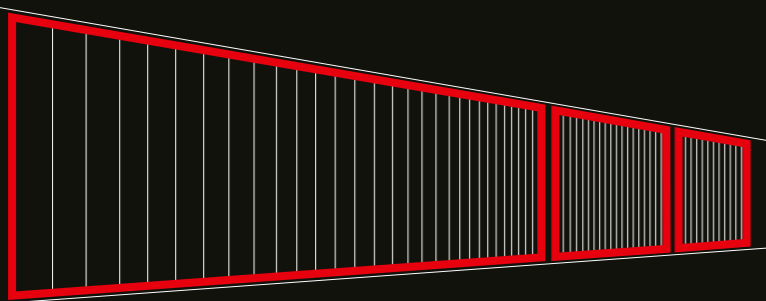




## Customised industrial door systems for the highest demands

BATOR, a member of the TORMAX Group, is a leader in the construction of automatic industrial door systems. The company never delivers anything off the shelf: whether for aircraft hangars, fire stations, train and bus sheds, penitentiaries, army camps, industrial halls, warehouses or concert halls – BATOR products are always unique, innovative and individual solutions that meet the highest demands.

The same goes for this hangar, whose door system extends across the entire facade of the building. The four large BATOR telescopic horizontal sectional doors are suspended on two rails and have a total area of 639 m<sup>2</sup>. They can be operated via intelligent, interconnected control units which are in fully automatic exchange with peripheral systems and work with highly developed self-learning software algorithms. A custom-made, innovative industrial door at the cutting edge of technology.



TORMAX installed Europe's first automatic door drive in Davos in 1951. Since then, we have been systematically developing our product range, paying uncompromising attention to genuine Swiss quality. In the meantime, we have installed countless automatic pedestrian and industrial door systems worldwide and successfully mastered every task, no matter how challenging. As proven experts, we offer a wide range of benefits.

## Why you should choose TORMAX

**Design** Our experienced and committed employees translate your wishes into visually appealing and functionally high-quality pedestrian and industrial door systems – from practical system solutions through to complex custom-made products.

**Drive technology** We are experts in drive technology: with our own development and manufacture of powerful, maintenance-free electric motors, we have been setting the standard worldwide for innovative automatic pedestrian and industrial door systems since 1951.

**Safety** Our products are uncompromisingly designed for safety and certified according to the latest standards. Intelligent sensors and other safety devices detect people and moving objects to prevent direct physical contact and injuries.

**Quality** TORMAX pedestrian and industrial door systems deliver convincing performance over their entire service life. After all, they are the pride of our employees who design, manufacture, pre-assemble and test them before they are installed on site.

**Security** Our systems secure entrances and exits, protecting people and property without compromising user convenience. They can be integrated into all building control systems and adapted to individual security requirements.

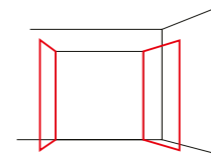
**Accessibility** TORMAX automatic pedestrian and industrial door systems provide barrier-free access for all. They adapt intelligently to the needs of a diverse society and are easy to use.

**Sustainability** The quality and long service life of our products support environmental sustainability significantly by reducing the need to replace equipment. They have a lower raw material consumption and a smaller carbon footprint than the products of other manufacturers.

**Service** Factory-trained TORMAX service technicians guarantee flawless professional quality in maintenance and repairs and reliable operation of your pedestrian or industrial door system throughout its entire service life.

The TORMAX T Series cover the entire range of automatic pedestrian and industrial door systems and offer the right solution for every situation. In all our systems, we place great emphasis on reliable, high-performance technology with distinctive cost-effective and sustainable qualities.

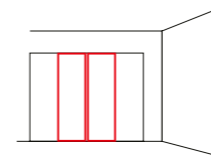
## The world of the TORMAX T Series



### **TORMAX T1 Series**

#### Swing door systems

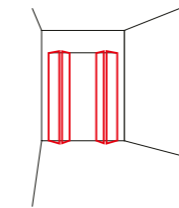
TORMAX T1 swing door systems are true all-rounders. Whether new installations or conversions, the product lines of the TORMAX T1 Series are suitable for all situations.



### **TORMAX T2 Series**

#### Sliding door systems

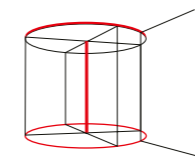
TORMAX T2 sliding door systems ensure maximum user comfort indoors and outdoors, even with high foot traffic.



### **TORMAX T4 Series**

#### Folding door systems

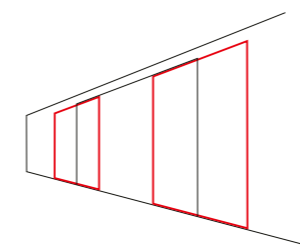
TORMAX T4 folding door systems are the ideal solution for situations where there is limited space available for the door leaves, either in depth or in width.



### **TORMAX T5 Series**

#### Revolving door systems

TORMAX T5 revolving door systems meet the highest requirements in terms of design, functionality and quality for representative entrances.



### **TORMAX T10 Series**

#### Industrial door systems

The TORMAX T10 Series covers the complete range of BATOR industrial door systems. All industrial doors are custom made, designed and built to the highest standards.



TORMAX is a division of the LANDERT Group, a privately owned group of companies characterised by innovation, outstanding quality and genuine entrepreneurship. The group's headquarters is in Switzerland, in Bulach near Zurich. Founded in 1924, the group employs over 1000 staff members across its two divisions SERVAX (customised electric drives) and TORMAX (automatic pedestrian and industrial door systems).

The very first automatic door drive in Europe laid the foundation for the TORMAX brand in 1951. Today, we are a leading manufacturer of automatic pedestrian and industrial door systems, distinguished by technologically advanced, reliable and innovative solutions.

## The pioneers of automatic pedestrian and industrial door systems

As an independent Swiss industrial group with global operations, we offer the full range of automatic pedestrian and industrial door systems and ensure their reliable operation throughout their service life.



**Headquarters**

TORMAX  
Unterweg 14  
8180 Bulach-Zurich  
Switzerland

TORMAX is a division and a registered trademark of LANDERT Group  
BATOR is a registered trademark of LANDERT Group

**TORMAX worldwide**

TORMAX is represented on 5 continents. With our own Group companies and production plants, and a network of local partners, we maintain close local relationships with our customers. Get in touch with us now!

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[www.tormax.com](http://www.tormax.com)

