

CUSTOM MADE SOLUTIONS

GILGEN
DOOR SYSTEMS

WE CONNECT
**SOLUTIONS TO MATCH
CUSTOMERS' NEEDS**



SWISSDOOR
DÖRTEKNIK FÜR PROFESSIONELLE

OPENS. CONNECTS. PROTECTS.

CUSTOMISED WITH TOP SWISS QUALITY

We have no limits when it comes to automation

Whether you need doors or gates for tunnels, cable cars or your own project, complex tasks demand individual solutions; solutions that we can provide – for special functions and large dimensions, and for specific architectural designs.

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KNOW-HOW WITH THE RIGHT PROFESSIONAL SUPPORT



Solutions with an extra something

Our engineering team can develop - in close cooperation with you - special, customised solutions for your individual application. As soon as everything clicks, we design, build and install your door system. Everything from a single source, all with top-grade Swiss engineering.

Our services

- Feasibility studies / design studies / country-specific applications
- Technical sales support
- Special equipment quotations
- Calculations and implementation plans
- Order and project management
- Delivery
- Installation
- Handover to customer
- After-sales service

DOOR SYSTEMS WITH INVISIBLE TECHNOLOGY

The drive technology is uniquely concealed

The slimline design is extremely versatile – for wherever you require contact-free access. This is state-of-the-art construction as it should be.



Banque Cantonale du Valais, Sion / Switzerland

Customer requirement

- Transparent closures

Solution

- Self-supporting, all glass sliding door
- Drive mechanism installed laterally in the wall

Musée Le Nest, Vevey / Switzerland

Customer requirement

- Design, prestige appearance, ease of use

Solution

- All glass sliding door
- Drive mechanism installed in floor



Discreetly tough

Today's architecture increasingly demands transparent solutions. Our automatic systems can even slide and rotate doors without a visible drive unit.



Swisscom, Berne / Switzerland

Customer requirement

- Glass design

Solution

- All glass swing door
- Drive mechanism installed in floor

Unesco, Paris / France

Customer requirement

- Design, prestige appearance, ease of use

Solution

- All glass sliding door
- Drive mechanism installed in floor

DOOR SYSTEMS

AUTOMATICALLY INCLINED

Angled to meet the most-stringent demands

Contemporary architecture makes high demands on design. Entrances and accesses are often complex. We automate individual door systems, even if they are angled.



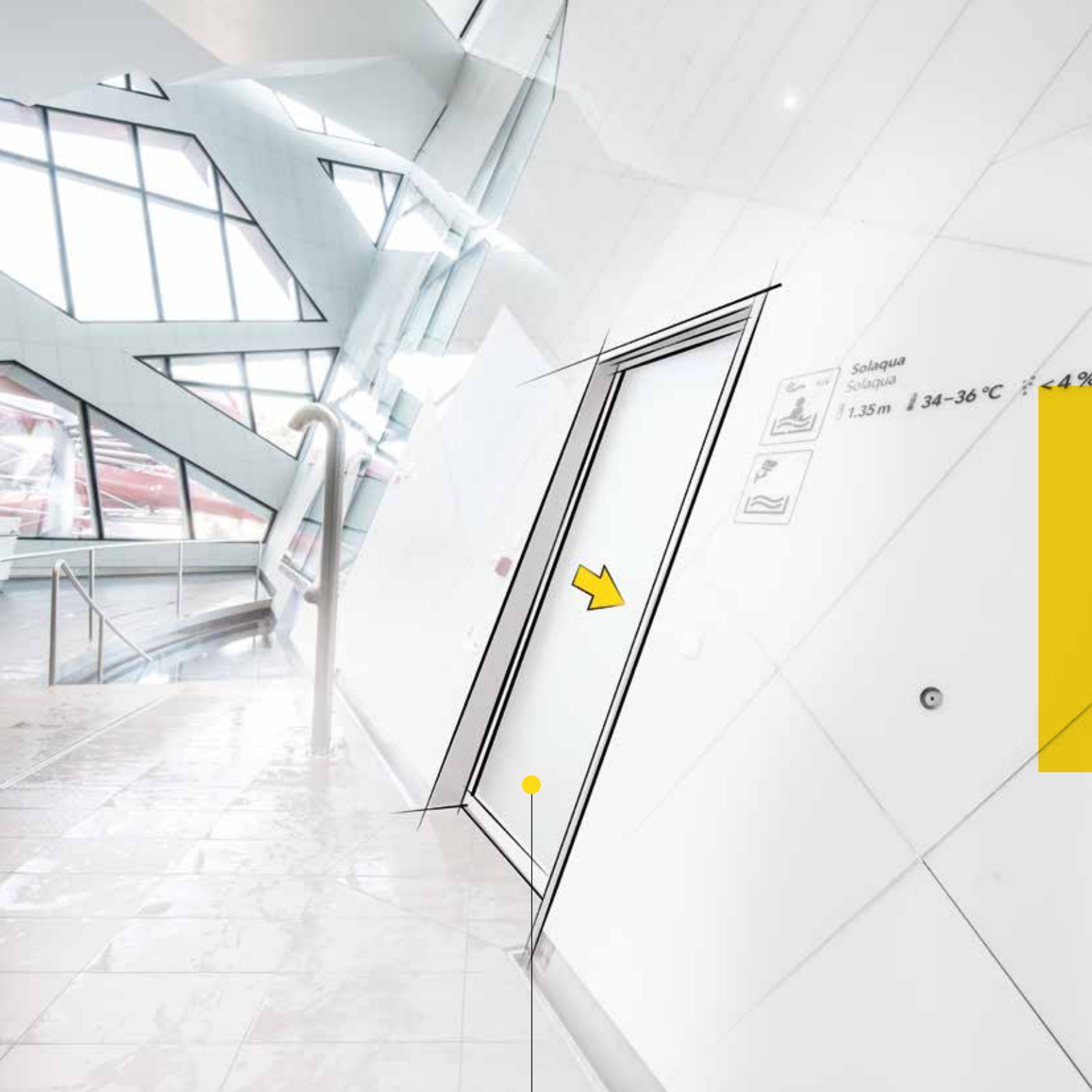
Federal Office of Information Technology, Systems and Telecommunication (FOITT), Berne / Switzerland

Customer requirement

- Automatic access, matched to architectural design

Solution

- Curved sliding door, tilted at the same angle as the wall



Westside, Berne / Switzerland

Customer requirement

- Integration of automated access into an architectural design with uniquely angled walls
- Drive mechanism and sliding door leaves capable of withstanding swimming-pool environment air quality

Solution

- Stainless-steel sliding door, built into the angled wall

DOOR SYSTEMS IN CONTACT WITH WATER

Diving into the technology of door automation

Guests are more comfortable when the outdoor and indoor areas of a swimming-pool complex are automatically divided. Accesses can now be securely closed at night, with valuable energy saved during the day.



Hotel Belvedere, Jenesien / Italy

Customer requirement

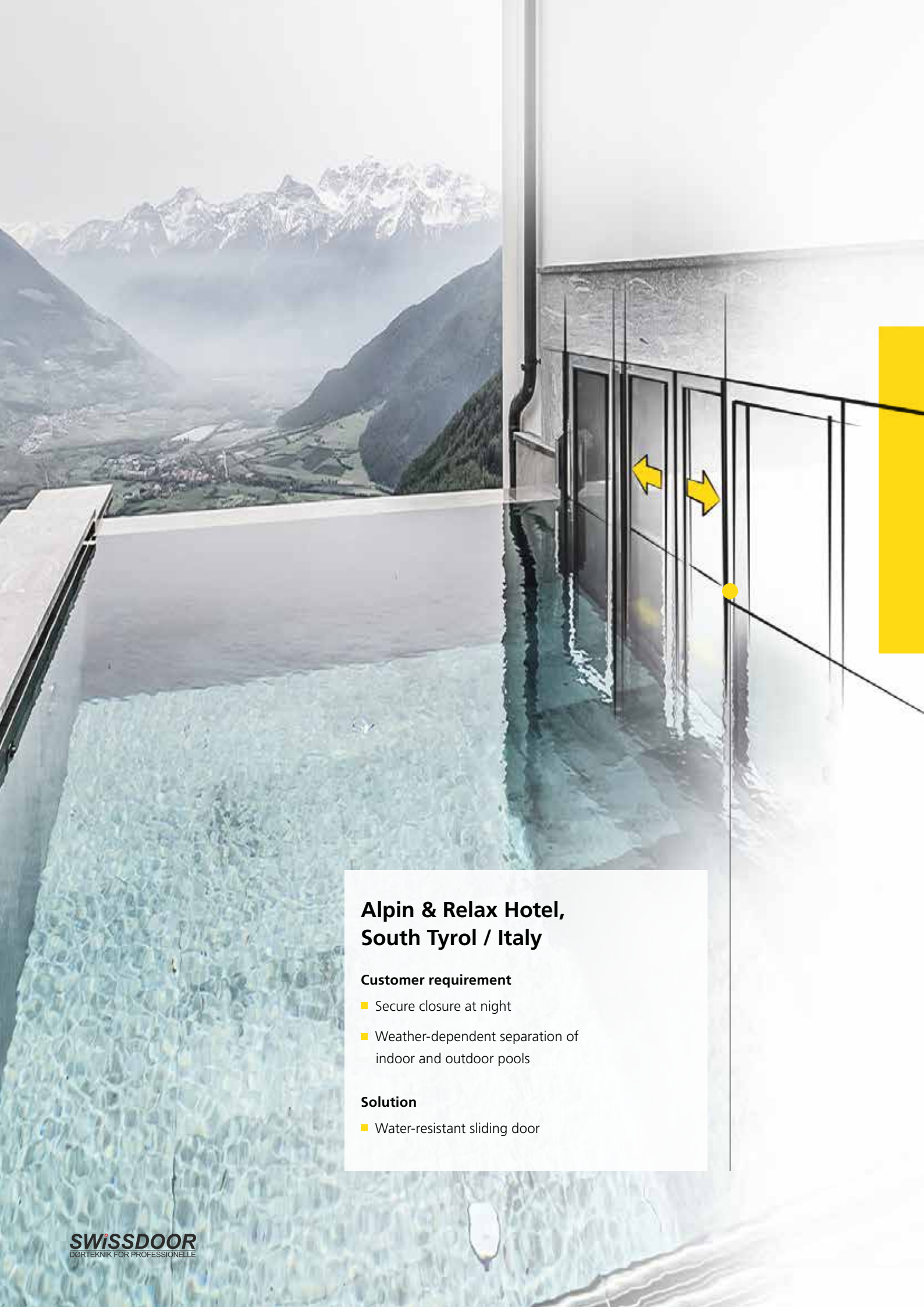
- Secure closure at night
- Weather-dependent separation of indoor and outdoor pools

Solution

- Water-resistant sliding door

Partner

- In cooperation with VITRALUX GmbH



Alpin & Relax Hotel, South Tyrol / Italy

Customer requirement

- Secure closure at night
- Weather-dependent separation of indoor and outdoor pools

Solution

- Water-resistant sliding door

DOOR SYSTEMS

FLUSH-FITTED TO SURFACE



Seamlessly integrated

Flush-fitted lift doors open inwards to slide into slots between the side wall and the shaft. Opening and closing are controlled from the lift buttons. Sensors in the slots and ceiling guarantee passenger safety.

One Island East, Hong Kong / China

Customer requirement

- Elevator lobby with closure flush-fitted to side walls

Solution

- Flush-fitted sliding door

At one with the façade

Our sophisticated, flush-fitting door technology allows closed sliding doors to blend into the wall or façade and form a flush surface.



Porsche Zentrum, Cham / Switzerland

Customer requirement

- Design of layered glass façade

Solution

- Layered glass façade with integrated, flush-fitting door

DOOR SYSTEMS FOR THE HEAVIEST USE

Open to all

When space is tight, but the opening needs to be big, telescopic sliding doors are the ideal choice. Our specially developed six-leaf design offers maximum access. The opening width can be reduced at any time, as a perfect solution for bad weather outside, for example.



Shop establishment, Basel / Switzerland

Customer requirement

- Adjustable entrance with maximum opening width when required

Solution

- Six-leaf telescopic sliding door

DOOR SYSTEMS FOR EXTREME WEATHER CONDITIONS

Door ahoy!

Sliding door systems on board vessels must be particularly weather-resistant. Wind, water, salt and moisture all conspire to do their worst. The exposed deck must be at an angle to drain off water. Our sliding door leaves match this slope perfectly.



Passenger vessel, Lake Geneva / Switzerland

Customer requirement

- A modern, automatic solution designed to meet the needs of this protected historical vessel

Solution

- Sliding door

DOOR/GATE SYSTEMS FOR SAFETY IN THE TUNNEL



Safety without compromise

Doors in tunnels must meet extreme safety requirements. So we leave no room for compromise. Whatever the circumstances. Whether in terms of materials or their processing.

NEAT Lötschberg base tunnel / Switzerland

Customer requirement

- Fire barrier with resistance to high pressure and emergency exit option

Solution

- Transverse sliding door

Gotthard base tunnel / Switzerland

Customer requirement

- Emergency fire barrier with resistance to high pressure for maintenance work

Solution

- Track-change sliding door (9 metric tons per leaf)



Absolutely no smoking

Track-change doors ensure aerodynamic separation between the two tunnel tubes. If an emergency occurs, they prevent smoke seepage into the other tubes and guarantee their uniform, positive-pressure ventilation.

DOOR/GATE SYSTEMS WITH NOISE PREVENTION



Motorway, Giebenach / Switzerland

Customer requirement

- Protected motorway access integrated into noise-prevention wall

Solution

- Sliding door with sound-insulating filling

A free road to noise prevention

Motorways require accesses for emergency use. There must however be no breaks in noise-prevention walls. Our noise-prevention doors can be opened remotely and then closed automatically. This guarantees both safe access to the motorway and no breaks in the noise-prevention wall.



Motorway, Emmenbrücke / Switzerland

Customer requirement

- Protected motorway access integrated into noise-prevention wall

Solution

- Sliding door with sound-insulating filling

DOOR/GATE SYSTEMS FOR AIRCRAFT HANGARS



Through the big door

Hangars that house aeroplanes and helicopters require large doors. Our powerful drive systems handle the massive up-and-over and sliding doors of hangars and large buildings of all types.

Payerne Airport / Switzerland

Customer requirement

- Access door for helicopter and aeroplane washing area

Solution

- Extra-large up-and-over door

DOOR/GATE SYSTEMS FOR FLOOD PROTECTION



Watertight solutions

If heavy rain causes the street to flood, the water pressure raises the barrier to prevent indoor car parks from flooding. Flood protection is in fact now obligatory for new buildings in many threatened areas, and we supply it.

Private underground garage, Gstaad / Switzerland

Customer requirement

- Separation between street and garage in the event of flooding

Solution

- Flood-protection door

CABIN DOORS OF ALL TYPES

Up and away with automatic solutions from Gilgen

Tourism is booming, and means of transport are becoming bigger, faster, more comfortable and more unusual. Our sliding doors can be matched to even the most unusual shapes to ensure that each passenger travels safely and in maximum comfort.



North Star cruise vessel Quantum of the Seas / USA

Customer requirement

- Viewing gondola with perfect all-round visibility and automatic access

Solution

- Curved sliding door for cabin



Arosa - Lenzerheide / Switzerland

Customer requirement

- Safe and convenient passenger access to cable car
- Top design, prestige appearance

Solution

- Sliding cabin door



Mandalay Bay, Las Vegas / USA

Customer requirement

- Fast opening and closing at stations, with integrated safety and locking system coupled to track control

Solution

- Sliding cabin door



Halong Bay Bucht, Quang Ninn / Vietnam

Customer requirement

- Synchronised opening and closing of cabin doors, with the platform screen
- Automatic doors operating simultaneously on two floors, with integrated safety locking system

Solution

- Sliding cabin door

RAILWAY PLATFORM SCREENS FOR CONVENIENT PASSENGER SAFETY



The line is clear for our door automation

They are precisely synchronised: Waist-high platform screen doors open as soon as the cable car reaches the station, settles in position and opens its doors.

Halong Bay Bucht, Quang Ninn / Vietnam

Customer requirement

- Opening when cabin stops, to guarantee passenger safety

Solution

- Waist-high platform screen door

Cable Liner Shuttle Station, Venice / Italy

Customer requirement

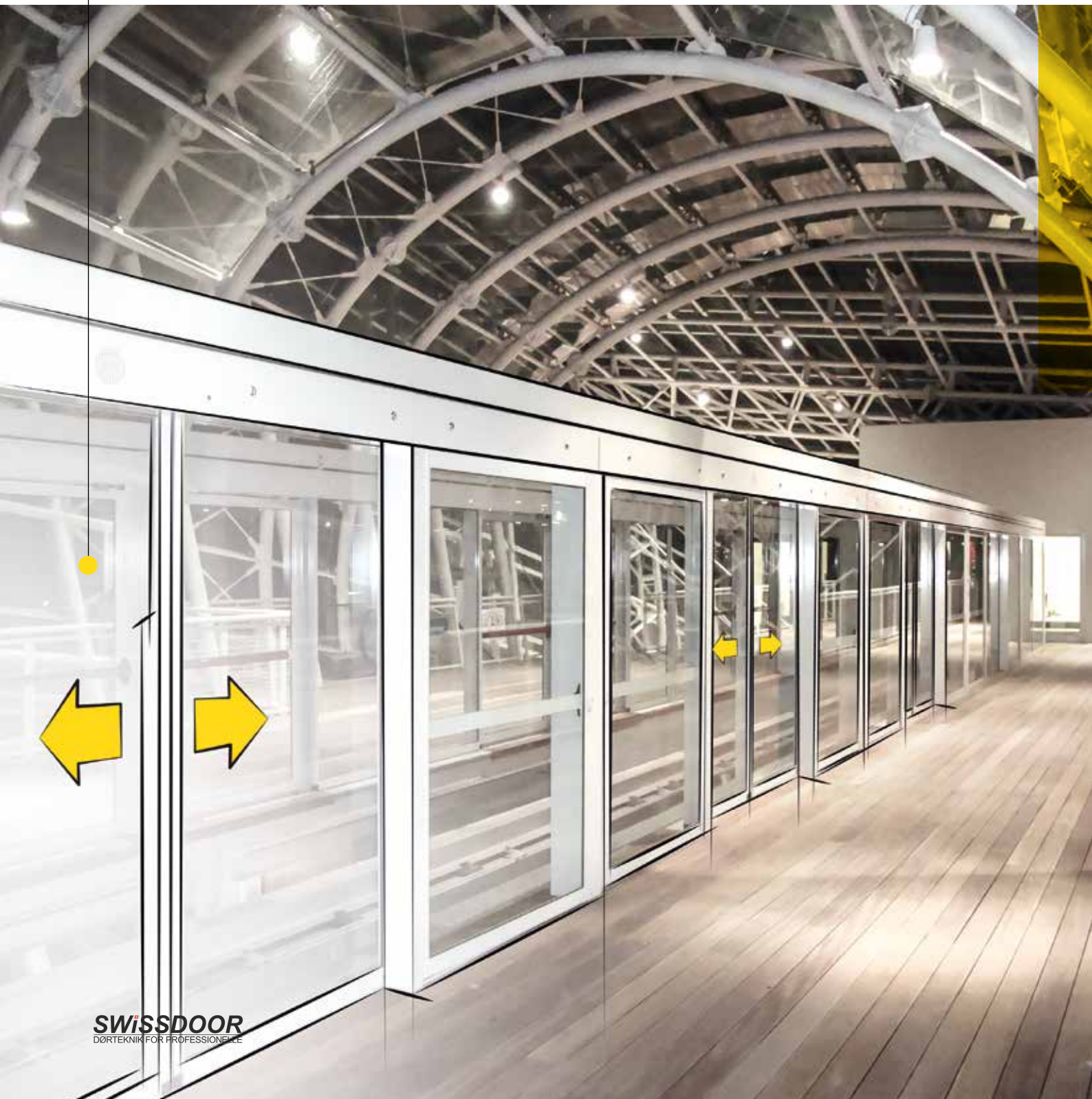
- Personal safety despite fast entry and exit

Solution

- Full height platform screen doors

Automatically on-track

Our screen doors separate the platform from the tracks. This prevents accidents, while offering passengers maximum safety and convenience.



FUNICULAR RAILWAY DOORS

AUTOMATIC CONVENIENCE



Attractively inclined for the journey up the hill

The vehicle's sliding doors are connected to the track control system. At each station, they open and close safely and conveniently.

Funicular railway Mont-Pèlerin, Vevey / Switzerland

Customer requirement

- Fast opening and closing at stations, with integrated safety and locking system coupled to train control

Solution

- Sliding train door

ANGLED LIFT DOORS FOR SMOOTH ACCESS



La Tzoumaz, Valais / Switzerland

Customer requirement

- Convenient access to passenger lift

Solution

- Sliding cabin door

SLIDING ROOF FOR A BALANCED CLIMATE



Great views, supplied automatically

Our automatic lifting, lowering and sliding windows are ideal for the fast, smooth adjustment of large surfaces.

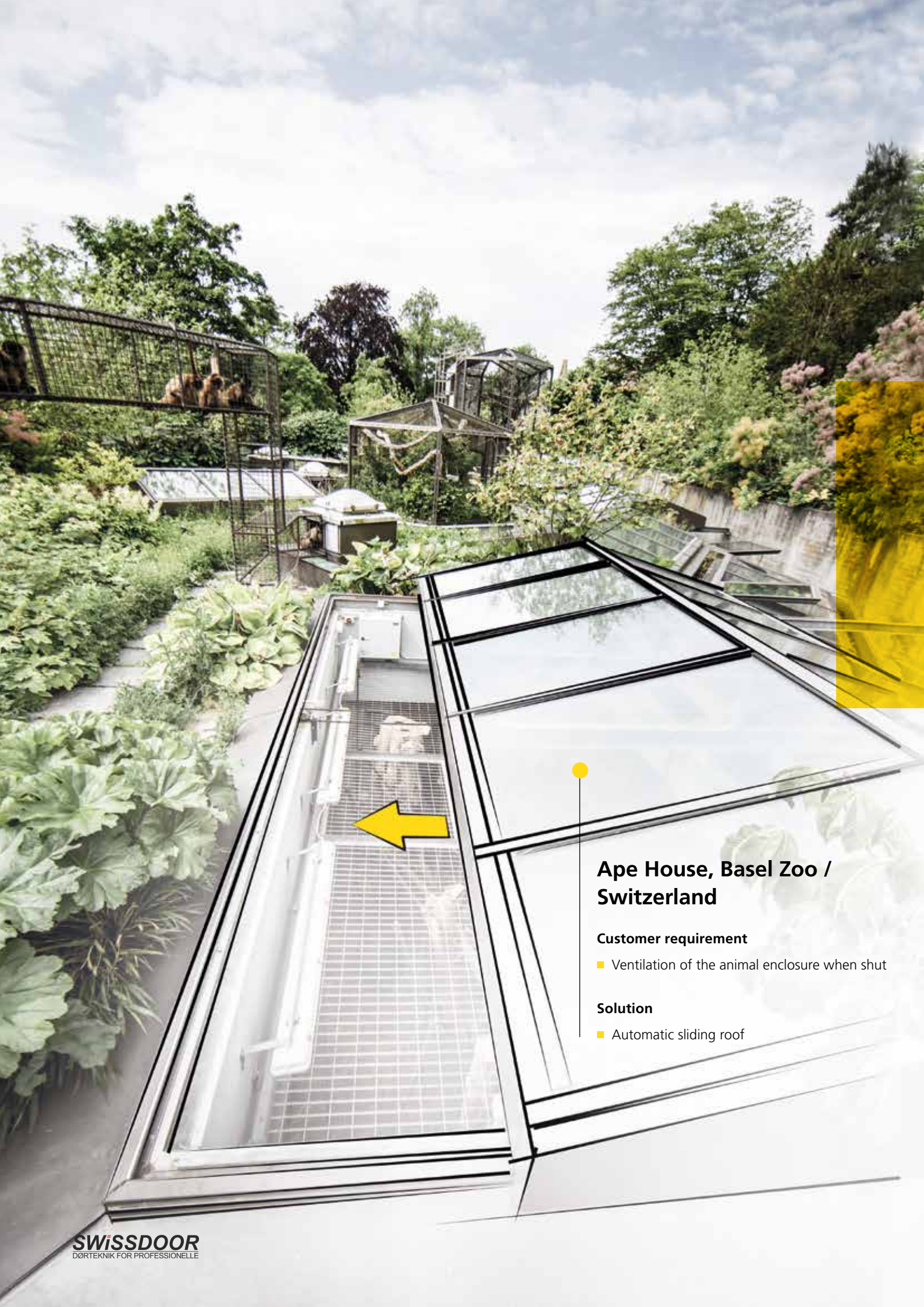
Private apartment, Uffikon / Switzerland

Customer requirement

- Roof closure for winter garden

Solution

- Sliding roof



Ape House, Basel Zoo / Switzerland

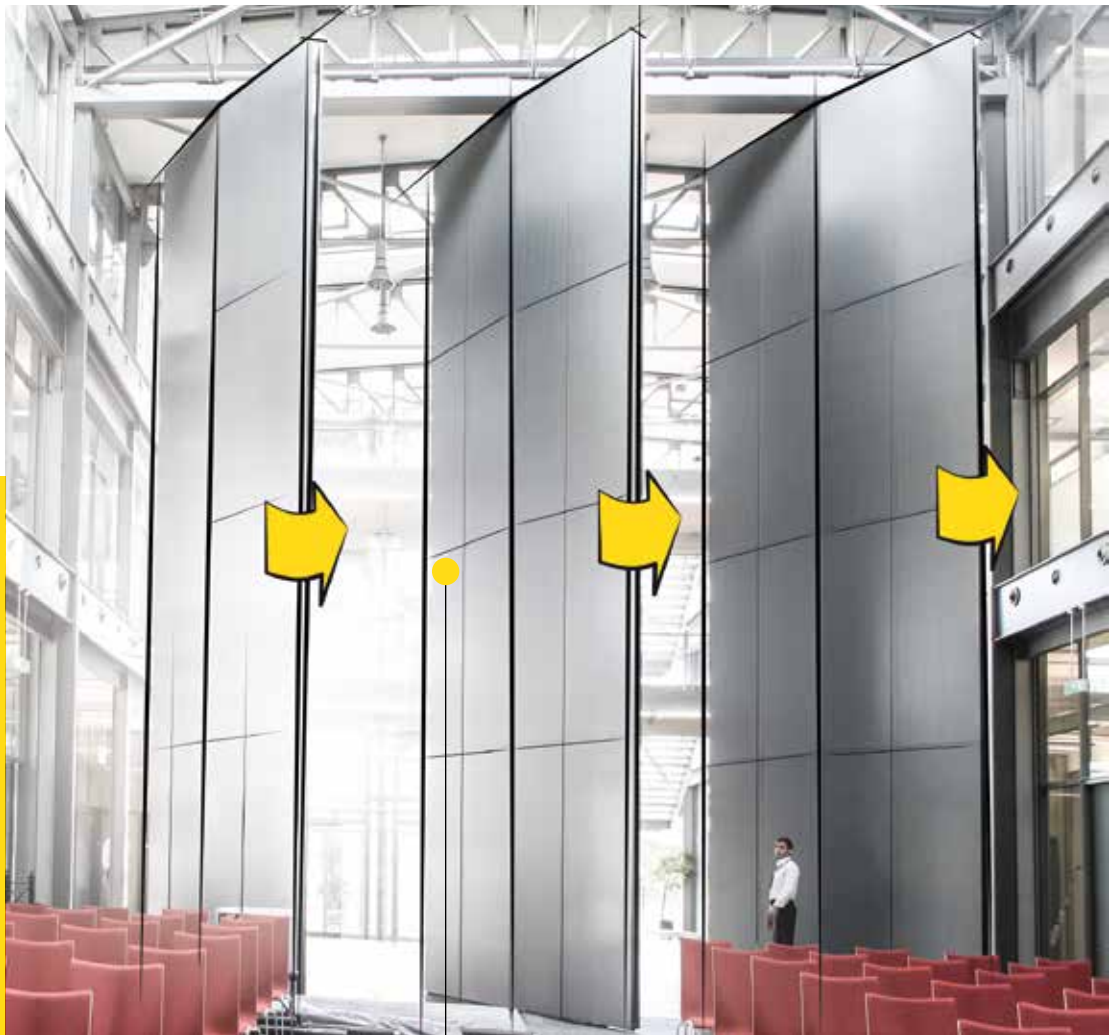
Customer requirement

- Ventilation of the animal enclosure when shut

Solution

- Automatic sliding roof

SPECIAL SOLUTIONS FOR EXTRA-LARGE ROOM SEPARATION



A wall in the wind

Our rotating wall elements open and close like sails. When they are closed, their integrated sealing profiles inflate to ensure efficient noise-prevention.

Campus Biotech, Geneva / Switzerland

Customer requirement

- Subdivision of high conference rooms, with noise insulation and demanding design requirements

Solution

- Rotating drive unit
- installed in floor

SPECIAL SOLUTIONS FOR LIGHT AND SHADE

Special solutions for virtually every requirement

Designed, for example, for the automated operation of shade control systems with special glazing or solar panels.

Just contact us, and we will find the ideal solution for you.

Avenue Hoche, Paris / France

Customer requirement

- Protection panels equipped with solar technology, designed to open and close automatically while controlling the shade on office premises

Solutions

- Automatic sliding elements



WORLDWIDE SWISS INNOVATION



- Tunnel closures
- Fire shutters

- Automatic door systems for cable cars and platform access
- Inside door barriers for trains (e.g. for separating first and second class)

- Automatic door drive mechanisms for places exposed to the weather (e.g. on board ships)

- Drive systems for lifts, powder-spraying booths
- Window-raising/lowering drive mechanisms

- Lift-shaft access doors

- Sliding doors with drive unit embedded into the floor
- All glass sliding doors



- Sound-insulated doors

Gilgen Door Systems is an internationally oriented enterprise. Our success depends on quality and performance, and has done so ever since 1961. Our core competence extends to automatic doors, gates and sliding wall systems. Gilgen Door Systems also deals with the development, detailed planning and implementation of drive mechanisms and traffic-flow systems for pedestrian- and traffic-management purposes. Our efficient service department maintains all drive and product systems.

Dansk leverandør:

Swissdoor ApS
Stenhuggervej 2
5471 Sønderød
Danmark
Telefon +45 86 28 00 00
mail@swissdoor.dk
www.swissdoor.dk

Gilgen Door Systems AG

Freiburgstrasse 34
CH-3150 Schwarzenburg
T +41 (0)31 734 41 11
F +41 (0)31 734 43 79
info@gilgendoorsystems.com
www.gilgendoorsystems.com

Member of the **Nabtesco** Group