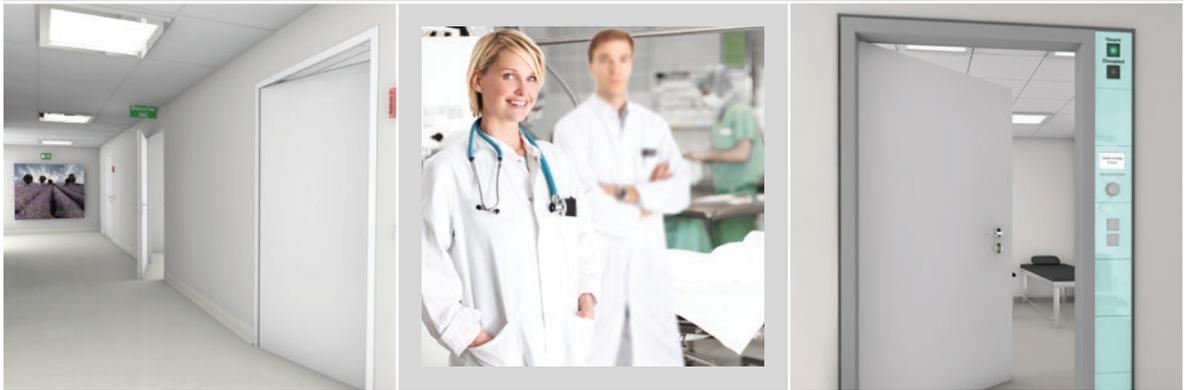


The Frame Programme for your Hospital

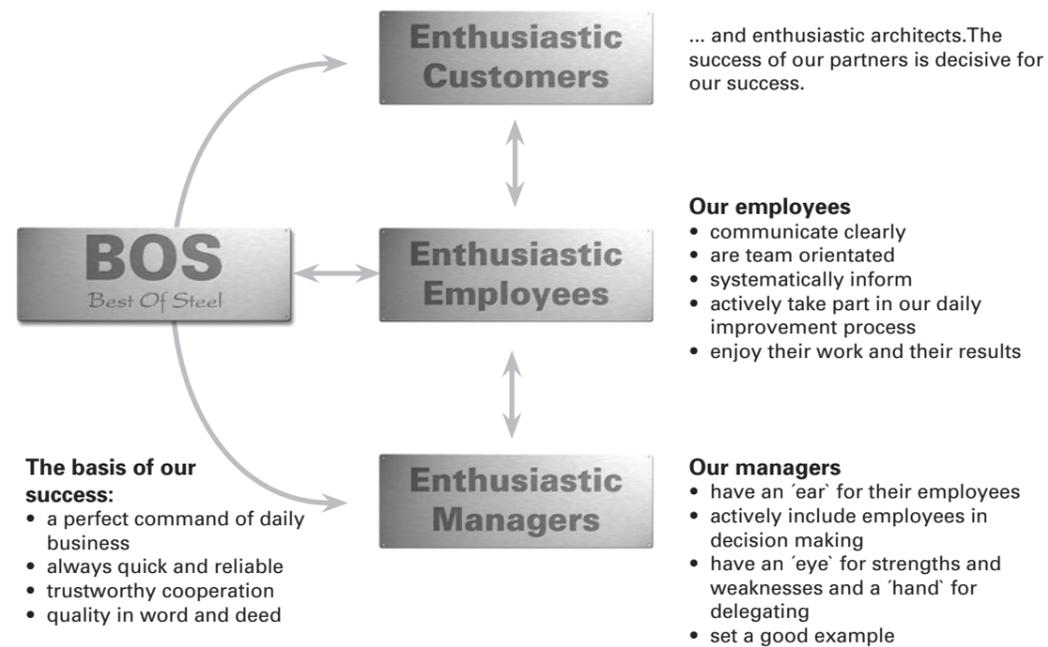


Design - Function - Efficiency

BOS Best Of Steel has been manufacturing steel frames for doors and windows for more than 40 years. Consistent customer orientation, reliability and punctuality as well as a high level of flexibility are the foundations of our company.

BOS is the market leader in Germany and at the forefront in many other European countries. We place great value on a high standard of quality in all areas. The contribution made by every member of staff plays an important part in the mutual success of our customers and BOS.

Our aim: we want enthusiastic customers...



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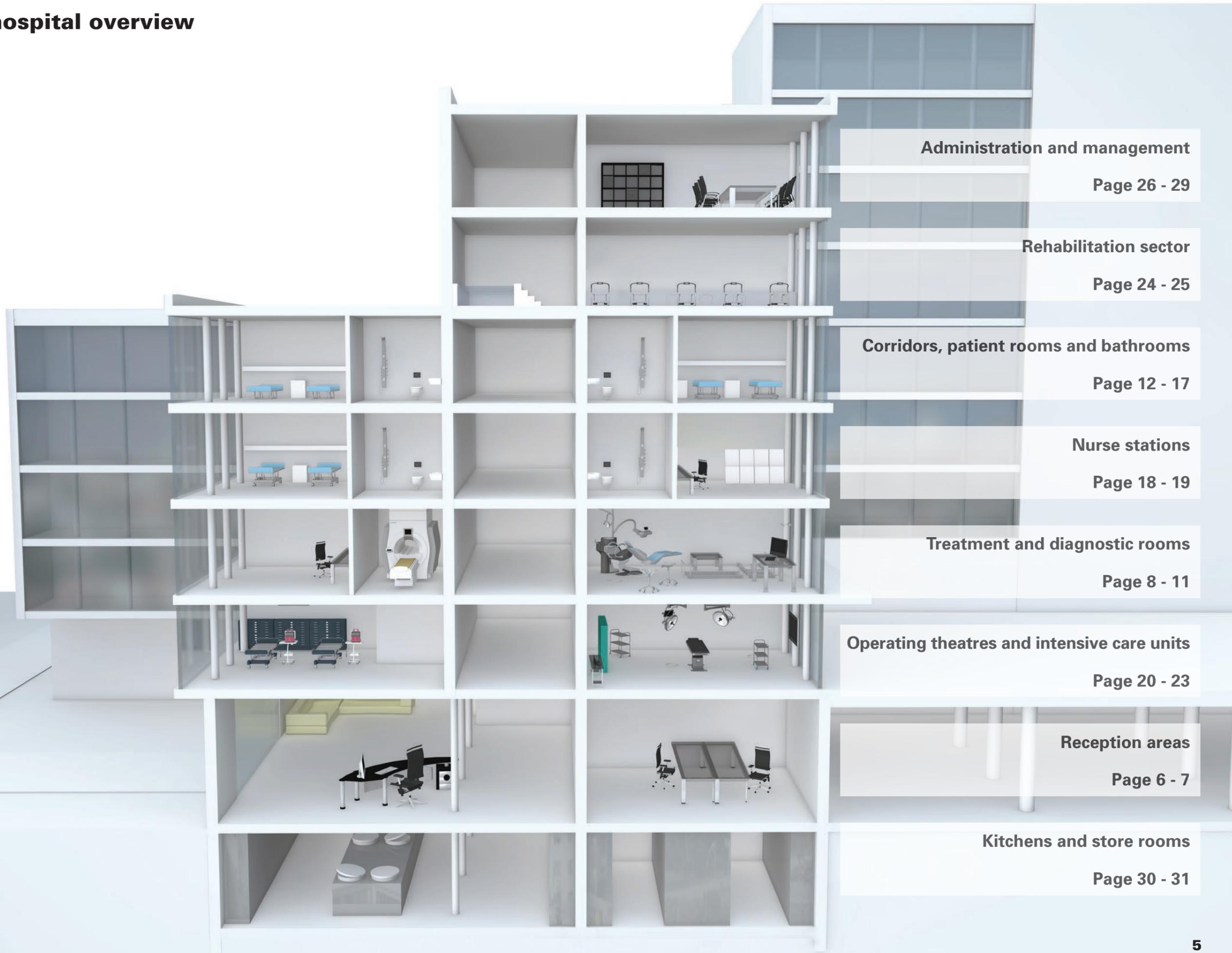
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Join us over the next few pages on our hospital round-tour.

All BOS frames are also available in larger dimensions. They are manufactured from steel or stainless steel and provided with a choice of powder coating, including an anti-bacterial option. The frames fulfill the requirements for fire, smoke and sound protection when combined with certified door leaves from reputable manufacturers. The corresponding characteristics can be found next to each solution.

- Fire protection
- Barrier-free accessibility (wheelchair friendly)
- Smoke protection
- Hygiene
- Radiation protection
- Vision impairment
- Sound protection
- Integrated technology

A hospital overview



Administration and management

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Rehabilitation sector

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Corridors, patient rooms and bathrooms

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Nurse stations

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Treatment and diagnostic rooms

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Operating theatres and intensive care units

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Reception areas

Page 6 - 7

Kitchens and store rooms

Page 30 - 31

Reception areas



Situation:

The reception area is the first place seen in a hospital. It is essential that it conveys the best impression. Technical components in the door frame are helpful for orientation and guidance of visitors and patients.



Solution:
Sino frames

A special characteristic of the stylish and contemporary Sino frame is its very narrow frame architrave which offers an impressive visual effect. Entrance areas can be designed to be both exclusive and discreet. When used in combination with concealed hinges, integrated door closers and flush door leaves, the element is virtually invisible, perfectly complementing the wall design.



Solution:
CasePlus LED

CasePlus LED is an eye-catcher in any reception area. Useful technical components can be concealed behind the transparent covering. Many different lighting options are possible.

Flush mount installation ensures easy cleaning and also improves hygiene control.

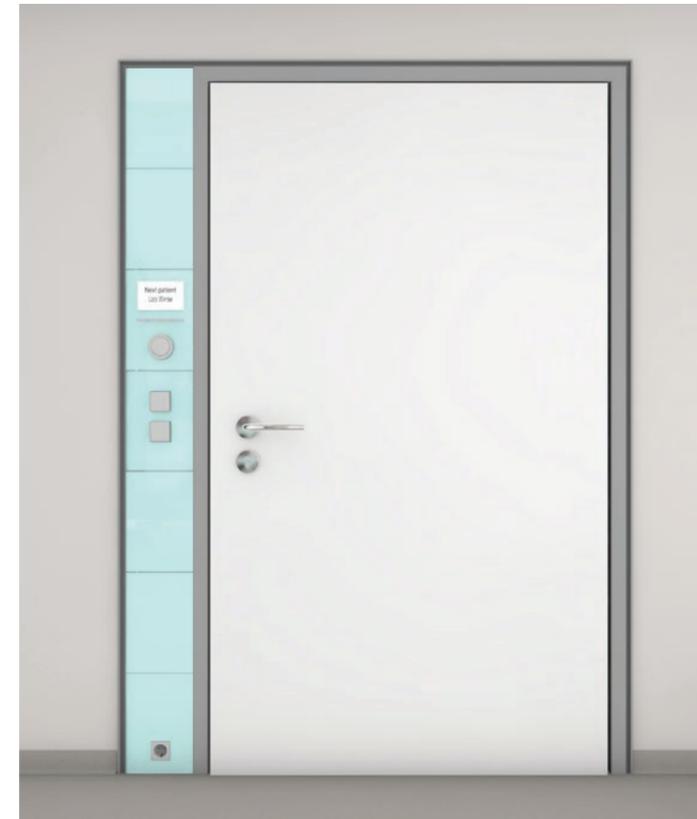
Treatment rooms



Situation:

Treatment rooms need a private atmosphere for medical care or discussions. Nothing should leave the room. Sound protection and easy accessibility are of utmost priority.

It is also important that patients and visitors can find their way to the room quickly and easily.



Solution:

CasePlus Design with double rebate

CasePlus Design combines increased sound protection with clear information for patients. Treatment rooms can, for example, be electronically assigned the name of the doctor, the name of the next patient, the room number or a vacant/occupied sign.

Maintenance and alterations to the technical components are easy. The wall remains undamaged, the downtime is reduced drastically. Thanks to CasePlus Design, any necessary work takes place quickly, cost-effectively and cleanly.



reddot design award
winner 2012



The frame is equipped with a double rebate allowing for the use of two seals which increases sound protection considerably.

X-ray rooms



Situation:

Dangerous radiation may not escape the room. Radiation protection requires particular care in order to minimise possible danger for people in the vicinity of radiation sources.



Solution:

Radiation protection frames

Radiation protection frames are fully or partially lined with lead, so that the passing of X-rays, gamma rays and electron rays is prevented to the greatest possible extent.

Suitable lead linings (lead equivalent) are available for almost all tube voltage ranges.



Solution:

RadioTec® Radiation Glazing

RadioTec glazing offers safe protection for X-ray rooms. High quality special panes provide first class performance and the wide range of versions freedom in design.

Corridors



Situation:

Hospital corridors should be light and airy providing a relaxed and inviting atmosphere. Furthermore, they should give patients and visitors the opportunity to retreat into specially designated visiting areas.



Solution:
Glazing walls

Visiting areas are visually separated from the corridor using glazing walls. A light and friendly atmosphere is created. Staff can keep an eye on the whereabouts of the patients.



Solution:
Corner protection and dado rails

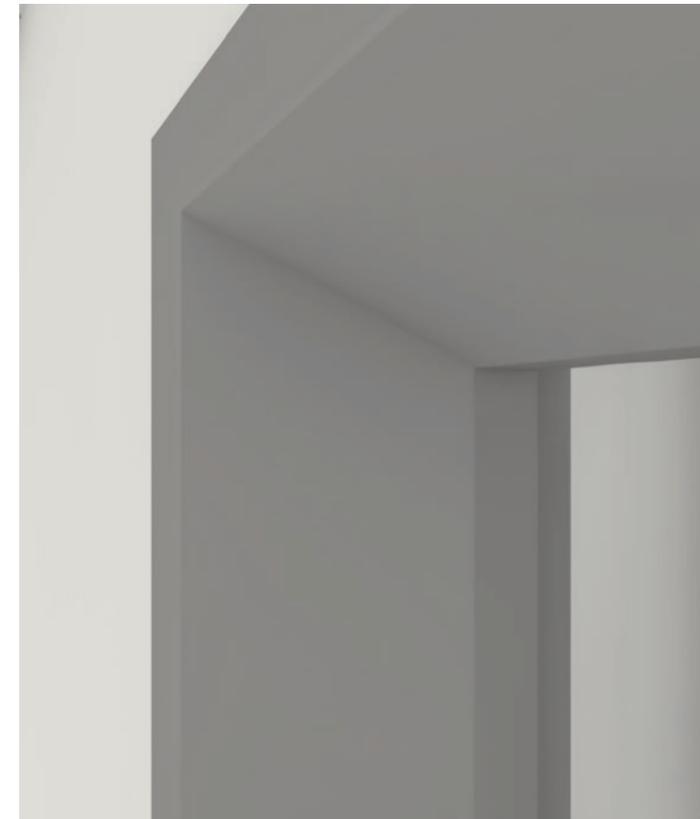
Corner guard profiles in a variety of designs protect the edges and corners of walls and wall soffits. They prevent plaster chipping, providing a lasting well-maintained impression.

Patient rooms



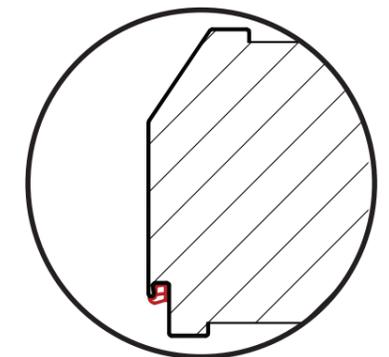
Situation:

In many hospitals space is limited and manoeuvring beds into the rooms can be difficult and cumbersome.



Solution:
Slanting soffit frames

The special geometric form of the slanting soffit provides a larger entry area – thus considerably increasing the manoeuvrability of typically wide hospital beds from the narrow corridor into the patient room.



Solution:
Planar soffit frames

Door and frame flush-mounted with the corridor wall – Planar soffit frames make this possible even when the door opens into the room.

In long hospital corridors with different door opening directions (patient room doors inwards, WC doors outwards), Planar soffit frames provide a uniform and serene visual effect.



Situation:

There is not usually much space in toilets and bathrooms. The space available should be functional and easily accessible.



Solution:

Frames for sliding doors running in front of the wall

Sliding doors offer more freedom of movement in the throughway. No space is required for opening an active leaf door as the sliding door runs in front of the wall. As the track case is also mounted in front of the wall, the technical components are easily available for maintenance. Increased hygienic requirements can be fulfilled using a bacterial slide.



Solution:

Special frames for barrier-free bi-fold doors

The special frame for bi-fold doors with its integrated, concealed track case is ideally suitable for rooms where a sliding door cannot be installed. Due to the special opening technique only a small amount of space is required to open the door. The room entrance is barrier-free.

Nurse stations



Situation:

Nursing staff need a clear view of the corridor. Nurse call buttons and other dangers have to be noticed immediately. Patients and their relatives should be able to see at a glance if a member of staff is present.



Solution:

GlasTec Window frames

These windows allow people to see into the nurse station but not enter it and they allow members of staff to see the corridor clearly.

The blinds can be equipped with an automatic operator on request. They run in between two panes of glass, thus remaining clean, as no dust or dirt can settle.



Solution:

Element frames

The optimal combination of glass, door frame and door leaf ensures a light and friendly working environment whilst still providing the necessary visibility.

Operating theatres



Situation:

These rooms need to be quickly and easily accessible and demand the highest hygienic and barrier-free standards. The sliding doors should be automatically operated and remain closed during operations for reasons of hygiene and safety.



Solution:

OP stainless steel sliding door frames with stainless steel door leaves

Sliding doors which run in front of the wall are particularly suitable here. There is a choice between manual or automatic doors.



Solution:

OP stainless steel sliding door frames for HPL coated timber door leaves

Sliding doors which run in front of the wall are particularly suitable here. There is a choice between manual or automatic doors.

An optional bacterial slide allows for perfect cleaning and increased hygiene.

Intensive care units



Situation:

These rooms need to be quickly and easily accessible and demand the highest hygienic and barrier-free standards. Peace and quiet is very important for the patient's recovery.

Entry to the intensive care unit takes place via a 'sluice' in order to prevent the transmission of bacteria. Only authorized people may access.



Solution:

Frames for stainless steel sliding doors running in front of the wall with vision panel and sound protection

Sliding doors which run in front of the wall are particularly suitable in this situation. There is a choice between manual or automatic doors. The vision panel offers a view into the ICU room making it possible to monitor the patient without disturbing. An optional blind can also be integrated to provide privacy within the room. Peace and quiet are important for recovery and therefore sound protection is essential.



Solution:

CasePlus Front

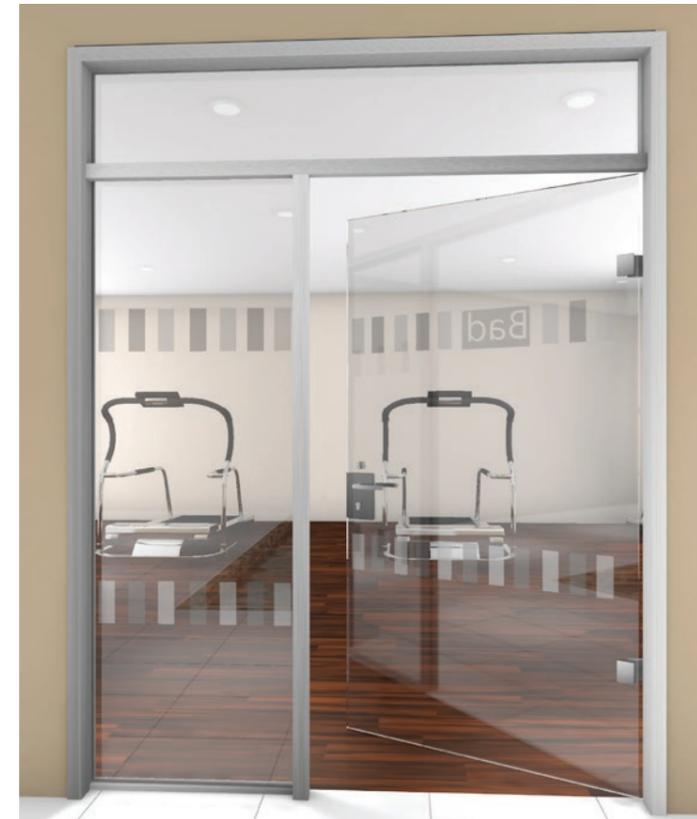
CasePlus Front offers a high level of safety for the access control to the ICU. For example the system can be equipped with a bell, a door opener and an automatic operator. The possibility of changing the technical components easily means that the system can always be kept up-to-date. In particular for maintenance work or technical changes, the downtime can be drastically reduced, as work on the wall, such as chasing out, plastering and painting, is not required. There is no mess or dust, everything remains clean.

Rehabilitation sector with water therapy



Situation:

High humidity requires a material which is resistant to corrosion and which meets the most diverse demands in hygiene. Extra wide door frames ensure barrier-free accessibility.



Solution:

Stainless steel frames with all-glass doors

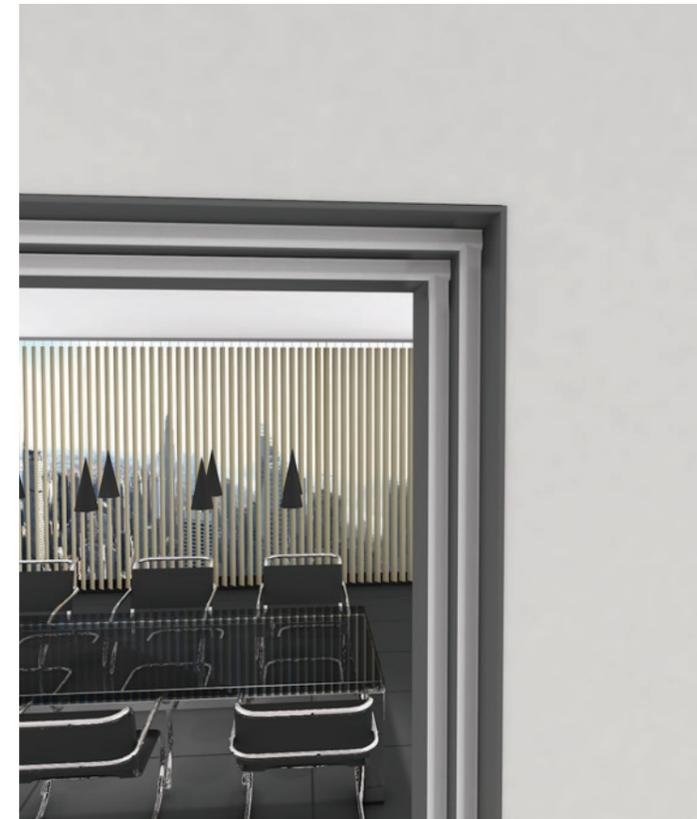
Stainless steel is ideal for extreme environmental conditions. The use of an all-glass door creates a light and friendly atmosphere. Demands on design and function are perfectly fulfilled.

Executive offices / Conference rooms



Situation:

Private conversations take place here. Sound protection and sophisticated design are of utmost priority in this representative area.



Solution:

Sino frames with double rebate

A special characteristic of the stylish and contemporary Sino frame is its very narrow frame architrave which offers an impressive visual effect. The double rebate ensures increased sound protection.

Entrance areas can be designed to be both exclusive and discreet. When used in combination with concealed hinges, integrated door closers and flush door leaves, the element is almost invisible, complementing the design of the wall perfectly.



Situation:

Solutions which are both representative and economic are required in the administration sector. Sound protection and efficiency have to be guaranteed.



Solution:
Top-light frames with optional bottom-hung window

The glass top-light provides a light and friendly working atmosphere and an optional bottom-hung window offers extra ventilation.



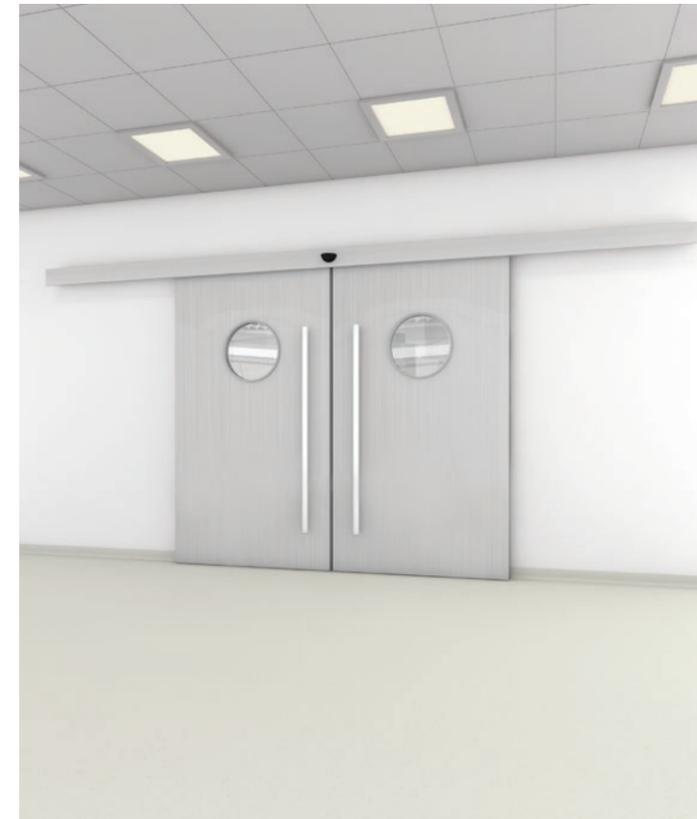
Solution:
Wrap around frame with shadow groove

Design and efficiency are perfectly combined. The shadow groove gives the frame an attractive appearance.



Situation:

The durability and functionality of the frames used in hospital kitchens are of utmost importance. The frames are in permanent use and the environment harsh (cold, heat, humidity). Hygiene is an absolute priority.



Solution:

Two leaf stainless steel frames for sliding doors running in front of the wall

The double doors open very quickly and provide a wider throughway. The doors run in front of the wall and do not get in the way in the room. Two people can enter or leave at the same time – safely and comfortably.

The doors can either be operated manually or automatically.



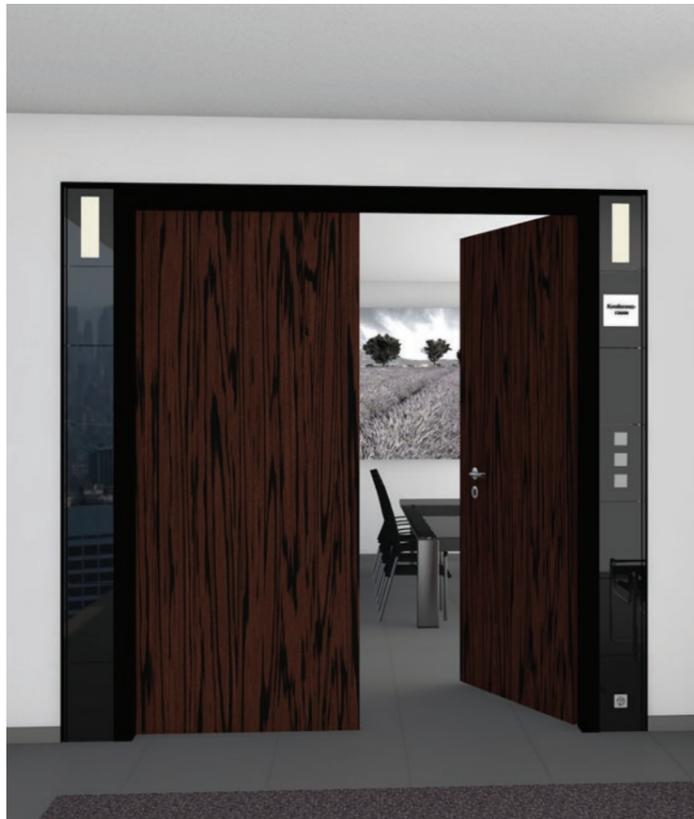
Solution:

'Waiter door' frames in stainless steel

Frames for two leaf 'waiter doors' are the ideal solution for highly frequented kitchen entrances. One door is available for each direction allowing two people to go through the door at the same time without getting in each other's way. The vision panel increases the safety.

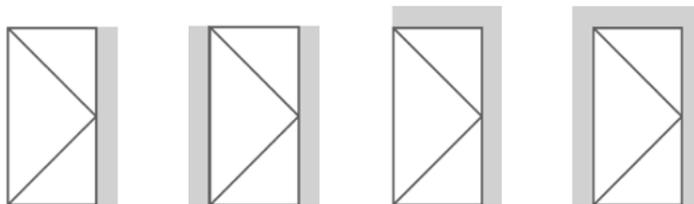
Stainless steel is perfectly suited to the extreme conditions of a kitchen. The material is long-lasting, durable and fulfills the highest demands in hygiene.

Useful information CasePlus Design



Security is an important issue in this day and age. The strength of the product range CasePlus Solutions is the ability to integrate new technology for the protection of people and goods into the frame at any given time at minimum cost and disruption.

In hospitals visitors need to be separated from operating theatres. Medicines and high value electronic equipment need to be accessible, but also protected. Flexibility, ease of maintenance and simple upgrading of technology are required.



CasePlus Design is a system for housing the technical components of door and building technology. Design oriented glass tiles conceal the electronics. The flush-mounted frame is integrated.

The built-in modules can easily be serviced or exchanged at any time. Various different lighting possibilities can be integrated in the glass elements, such as escape route lighting or guiding lights.

The design elements can be positioned according to choice on both the front and back side of the door.

Minimalist architecture – maximum function.



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More information can be found at:
www.CasePlusSolutions.de

Useful information asepticDOOR – the antibacterial door system

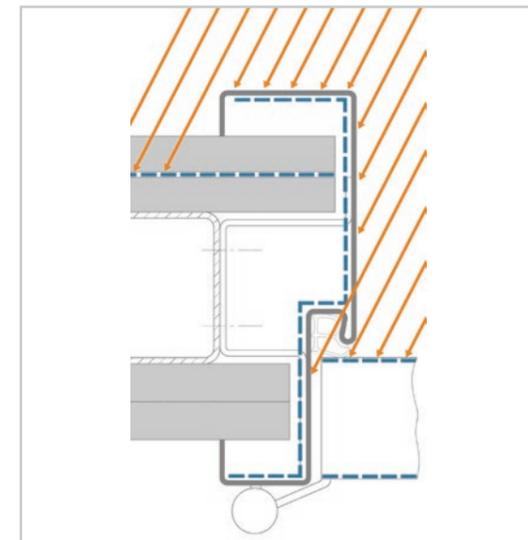


Together with partners BOS Best Of Steel has developed a door system which is perfectly tuned for the requirements in the healthcare sector. It is equipped with antibacterial and easy to clean surfaces and products.

The system has been tested by Dr. med. Klaus-Dieter Zastrow, a medical specialist for hygiene and environmental medicine in Berlin. In addition to the use in hospitals, the asepticDOOR can be employed in other hygiene-sensitive areas such as retirement homes, child care facilities or in the food industry.

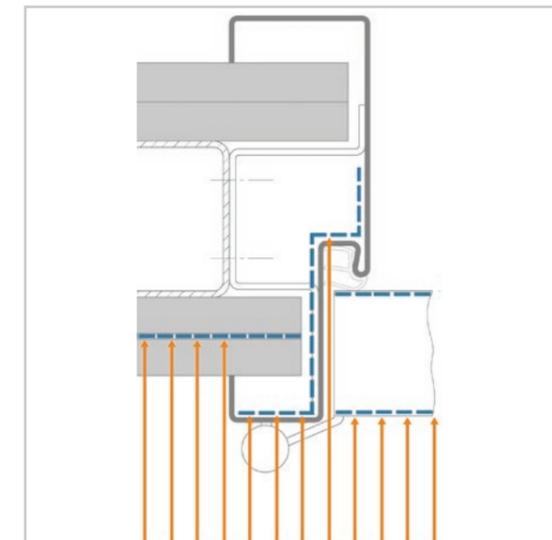
Radiation protection

Radiation protection frames are lined (partially or fully) with lead, so that the passing of X-rays, electron rays and gamma rays is prevented to the greatest possible extent. Different lead equivalents are required, depending on the tube voltage range, which are achieved by the use of different amounts of lead layers.



Full lead lining

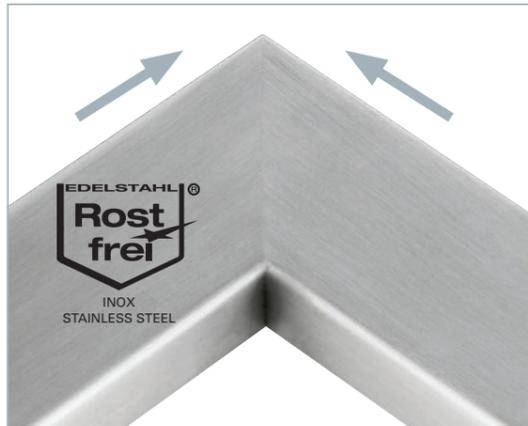
If the wall is lined with lead on the opposite side to the door, the frame has to be fully lined.



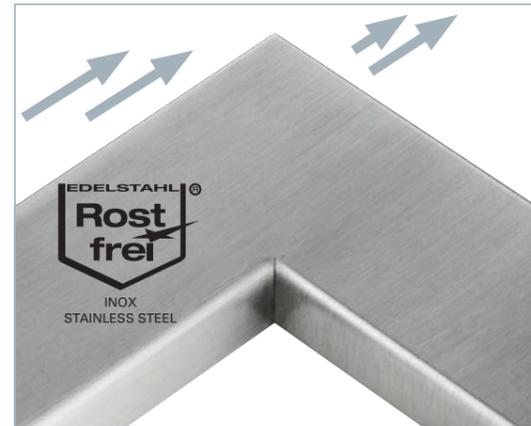
Partial lead lining

If the wall is lined with lead on the same side as the door, a partial lead lining is sufficient.

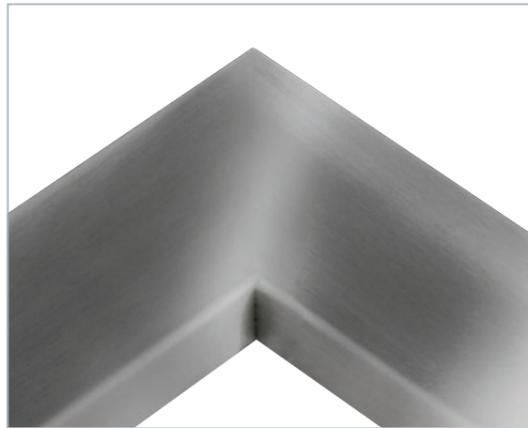
Useful information Surfaces



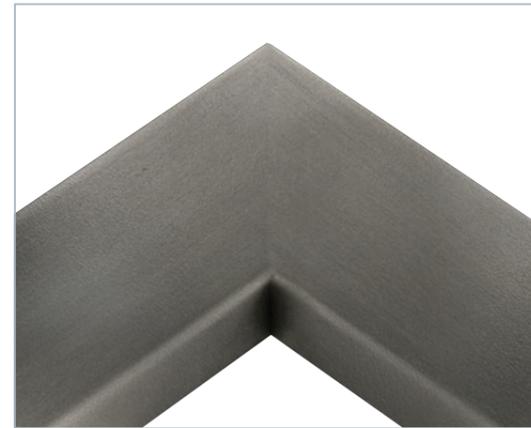
Stainless steel: Premium Quality
(welded mitre)



Stainless steel: Design Quality
(welded mitre)



Silk gloss powder coat finish



Textured powder coat finish

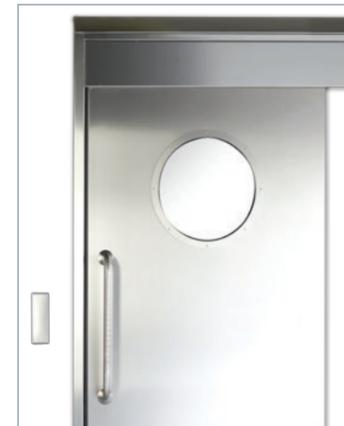


Powder coating according to RAL,
special colours on request



Anti-bacterial powder coating

Useful information Recommendations



Vision panels and bar
handles



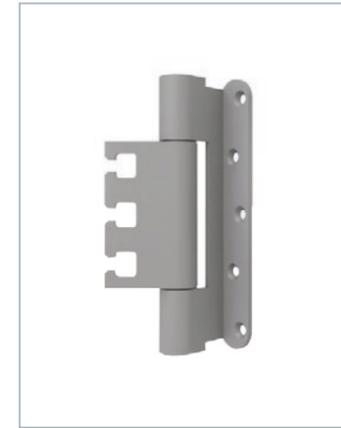
Bacterial slide for increased
hygiene control



Automatic sliding door
fittings



Installation friendly levelling
anchor for two part split
Duo15Z frame



VX hinge for 3D adjustment



Concealed hinge with 3D
adjustment



Latch adjustment for perfect
positioning of the lock area
and for adjusting contact
pressure (for frames with
flush or rebated doors)



Protect stainless steel striking
plate with latch adjustment
for frames with flush doors
to protect the latch entry area
from signs of use



Protect & Clean stainless
steel striking plate for
higher hygienic demands
(for frames with flush or
rebated doors)

Architect Consulting Service

We are here for you!

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