MDS

RAUMSYSTEME

MDS Room and partition wall systems –

the optimal solution for every space requirement

FLEXIBLE ROOM SYSTEMS

Workshop/Foreman's Offices

Partition Wall Systems

Glass Partition Walls

Structural Steel Platforms

Advice, production, delivery and assembly at fixed prices and fixed deadlines from one provider. Full service at the highest level.

Our top priority is a cooperative partnership with our customers, based on mutual trust. We shall do everything in our power to satisfy your demands.
Our well-coordinated team of highly qualified and motivated employees will be pleased to help you!
Our services at a glance:

Competent advice and service

Our specialist advisors plan for you on site

Extensive range of products

Free CAD planning service

Advanced production facilities with highest quality demands

Professional installation of the components for all the technological areas by one supplier

Short construction time and turnkey handover on the agreed date

High economic efficiency and fixed price guarantee

YOUR CONTACT

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Carbon neutral
Print product
ClimatePartner.com/12518-1907-1001

Signs visible in photograph:
- Material-schleuse
- Tür schließen

Workshop/Foreman's Offices and Partition Wall Systems

Rationalization, optimization and control of the production flow are becoming more and more important. We plan the best possible room solution for you and supply you with the rooms necessary. Reliable and fast – from small foreman's offices to 2-storey, large-scale facilities.

2-storey room solution

Room solution on a platform

SHB 50 – Workshop Office System

An intelligent system with many advantages:

»As the Production Manager I have to be available for my colleagues at any time and keep an overview; nevertheless, I also need a quiet place to work when I need to concentrate. Both are optimally possible with our new MDS Workshop Office System.«
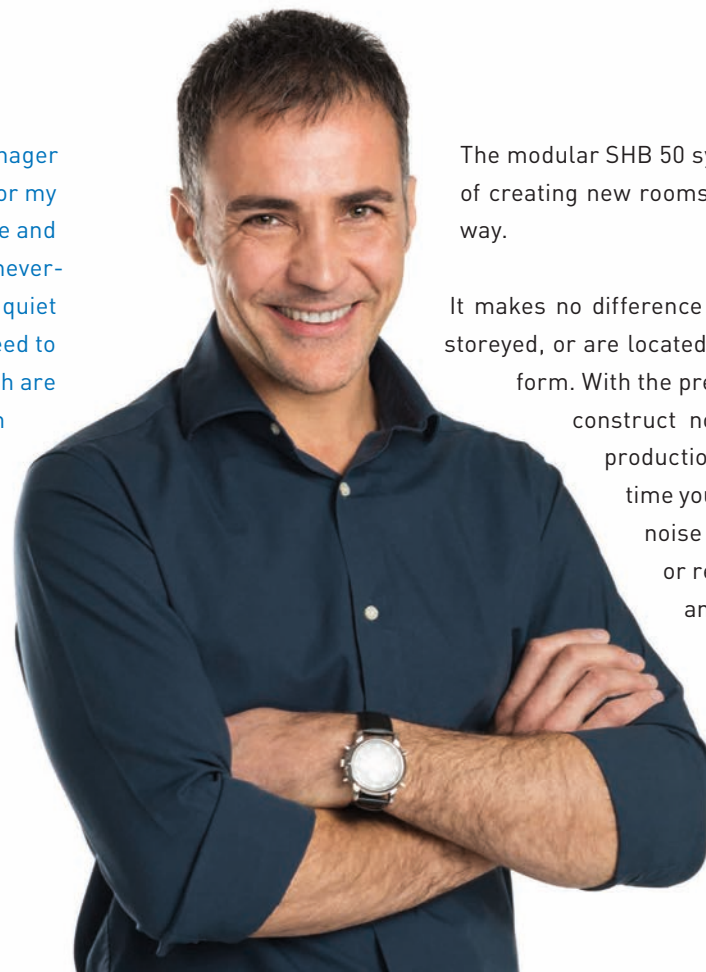
The modular SHB 50 system offers you the ideal possibility of creating new rooms in a fast, flexible and cost-efficient way.

It makes no difference whether the new rooms are 1 or 2 storeyed, or are located on or under a structural steel platform. With the prefabricated elements it is possible to construct noise-reduced zones in storage and production areas. In the shortest possible time you will have an office away from all the noise and dust. Subsequent modifications or relocations can be performed without any problem – fast and free of dirt and dust.

- Optimum protection from noise and dust
- Maximum view
- Effective room utilization
- Modern design
- Highest quality demands
- Turnkey construction
- Extensibility without any problem
- Mobility at a reasonable price

Movable room solution (maximum size 6 × 3 m)

Technical Description

Standard Floor
- Total height: 60 mm
- Surrounding tube frame (H = 60 mm) with inserted, longitudinal bars (H = 20 mm) and 2 chipboards V 100 (each 19 mm thick) installed with tongue and groove joint
- PVC floor covering (2 mm thick and finished)
- Option: Needle felt floor covering, false floor, floor insulation (20 mm)

Portable Floor
(Portable with forklift / max. size 6 x 3 m)
- Total height: 100 mm
- Surrounding tube frame (H = 100 mm) with welded-in cross and longitudinal bars and 2 chipboards V 100 (each 19 mm thick)
- PVC floor covering (2 mm thick and finished)

Wall Elements
- Prefabricated mono-block elements (53 mm thick), surrounding aluminium frame, powder-coated, melamine resin laminated chipboards on both sides (16 mm thick, scratch, impact and abrasion-resistant and extremely easy to clean)
- Option: Coated steel sheet plating (1 mm thick)
- Mineral fibre insulation lining (20 mm thick)
- Glazing with 1 x 5 mm float glass or 2 x 5 mm float glass respectively, for the ISO version, including PVC edge profiles and PVC cover strips for the connections
- Option: Toughened safety glass/laminated glazing
- Wall thickness: 53 mm
- Grid size: 1,000 mm

Door Elements
- Powder-coated aluminium door frame including rubber seal, chipboard tubular core (40 mm thick, clearance width 885 mm), including mortise lock, prepared for profile cylinder provided by the customer, handle set with rounded keyhole and 2 pcs nickel-plated screw-in hinges
- Option: Glass window with toughened safety glass (5 mm or 8 mm thick)
- Option: Schall-Ex® (retractable bottom seal)

Ceiling Element
- Suspended acoustic ceiling with inserted white mineral fibre panels (15 mm thick), design Harmony, size 625 x 625 mm, including white support construction and wide span supports
- chipboard covering (19 mm thick), accessible ceiling construction
- Option: Mineral wool insulation (40 mm thick)

Sound Insulation Values
- Rw = approx. 28 dB (A) standard version (only in connection with mineral wool insulation and chipboard panel installed on the ceiling)
- Rw = approx. 34 dB (A) ISO version

Construction

Choice of Colours

Profiles

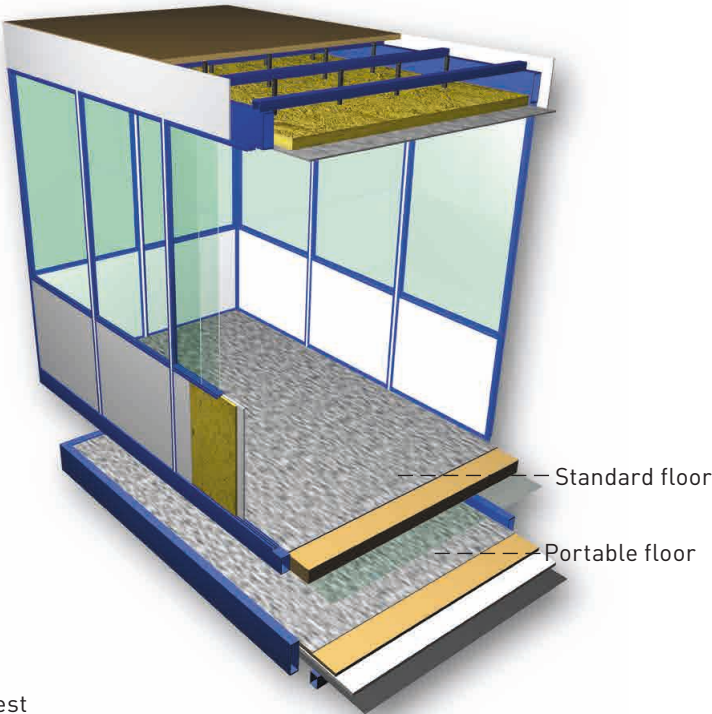|	
■	Anthracite grey (RAL 7016)
■	Light grey (RAL 7035)
■	Gentian blue (RAL 5010)
■	Anodized aluminium

Wall surface

■	Anthracite grey (RAL 7016)
■	Light grey (RAL 7035)
■	Pure white (RAL 9010)
	Other RAL colours on request

Standard floor
Portable floor

Solid wall
Width 500 mm 1,000 mm Height 2,500 mm 2,750 mm 3,000 mm

Solid wall fitting element
Width up to 1,000 mm Height 2,500 mm 2,750 mm 3,000 mm

Glass wall
Width 500 mm 1,000 mm Height 2,500 mm 2,750 mm 3,000 mm

Fanlight wall
Width 500 mm 1,000 mm Height 2,500 mm 2,750 mm 3,000 mm

Solid wall with sliding window
Width 1,000 mm Height 2,500 mm 2,750 mm 3,000 mm

Door element
Width 1,000 mm Height 2,500 mm

Door element with glass window
Width 1,000 mm Height 2,500 mm

Double-wing door element

Double-wing door element with glass window

Sliding door element

Sliding door element with glass window

Other sizes and structural elements on request

8

9

2-storey room solution

Room solution on a platform

STW 80 – Partition Wall System

An intelligent system with many advantages:

»As the Quality Assurance Manager I am responsible for achieving the best possible processing of our products. Our new room systems have progressively facilitated and improved the work of our team.«
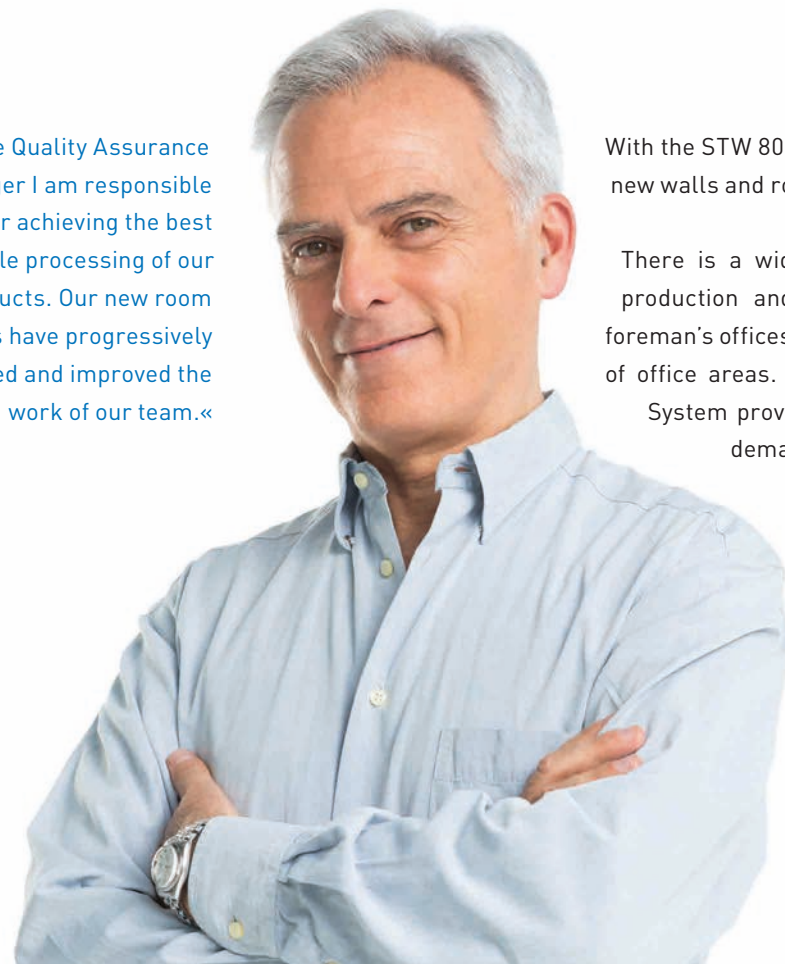
With the STW 80 Partition Wall System you efficiently create new walls and rooms quickly and free of dust.

There is a wide range of applications - for separating production and storage areas, creating workshop and foreman's offices, insulation of noise sources or sub-division of office areas. The intelligent and flexible Partition Wall System provides the suitable solution for almost every demand.

In combination with a modern floor and ceiling system and an extensive range of accessories, we offer you the complete, cost-effective solution from one provider.

- Simple, clean and fast installation
- Complete, robust surfaces without any painting work
- Permanent flexibility
- Turnkey design from one provider
- Optimal sound insulation
- High-level efficiency

Partition walls for clean rooms

Technical Description

Wall Construction

- Displaceable, flexible partition wall system with galvanized steel framework (50 mm thick), wall panelling with melamine resin laminated chipboards on both sides (16 mm thick)
- Acoustic lining made of 40 mm thick mineral fibre insulation panels, cover profiles made of aluminium top-hat sections and PVC cover strips
- Floor connection with skirting board
- Wall thickness: 82 mm
- Grid size: 1,200 mm

Glass Elements

- Surrounding aluminium frame (82 mm thick), powder-coated, PVC edge profiles and double glazing, flush with the surface, with 2 x 5 mm float glass
- Standard dimensions: 1,200 mm × 1,085 mm (W × H) or 600 mm × 1,085 mm (W × H)
- Standard sill height: 1,050 mm
- Option: Toughened safety glass/laminated glazing

Door Elements

- Closed version consisting of: two-shell steel frame with rebate, primed and painted in RAL colour, with hollow chamber profile on 3 sides
- Door with chipboard tubular core 40 mm thick with standard rebate, insert made of tubular chipboard and laminated covering on both sides, including mortise lock, prepared for profile cylinder provided by the customer, handle set with rounded keyhole and 2 pcs nickel-plated screw-in hinges, frame clearance dimension: 936 × 2,093 mm (W × H)
- Option: Glass window, double-wing door, all-glass door, Schall-Ex® (retractable bottom seal), swing door, roller doors, fast-action doors

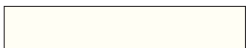## Choice of Colours

Profiles

Anthracite grey (RAL 7016)

Light grey (RAL 7035)

Pure white (RAL 9010)

Other RAL colours on request

Wall surface
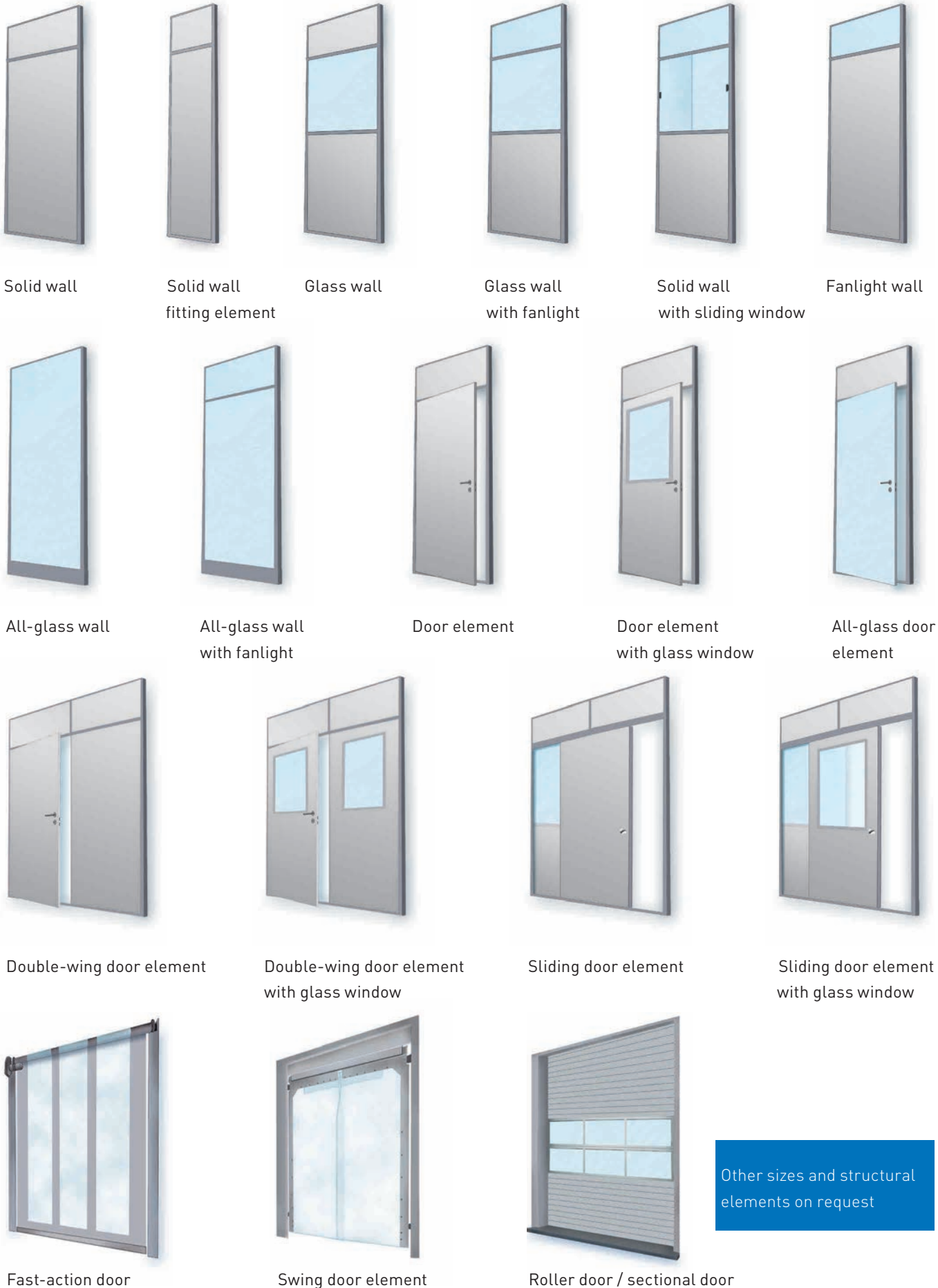

Anthracite grey (RAL 7016)

Light grey (RAL 7035)

Pure white (RAL 9010)

Standard Floor

- Total height: 60 mm
- Surrounding tubular frame (H = 60 mm) with inserted longitudinal bars (H = 20 mm) and 2 chipboards V 100 (each 19 mm thick) installed with tongue and groove joint
- PVC floor covering (2 mm thick and finished)
- Option: Needle felt floor, false floor, floor insulation (20 mm)

Ceiling Element

- Suspended acoustic ceiling with inserted white mineral fibre panels (15 mm thick), design Harmony, size 625 x 625 mm, including white supporting construction and wide span supports
- chipboard covering (19 mm thick), accessible ceiling construction
- Option: Mineral wool insulation (40 mm thick)

Sound Insulation Values

- Rw = approx. 43 dB (A) solid wall with mineral wool
- Rw = approx. 40 dB (A) solid wall without mineral wool
- Rw = approx. 36 dB (A) glass element

Construction

Door frame

according to RAL

Element Types (wall thickness 82 mm / grid size 1,200 mm)

Solid wall

Solid wall fitting element

Glass wall

Glass wall with fanlight

Solid wall with sliding window

Fanlight wall

All-glass wall

All-glass wall with fanlight

Door element

Door element with glass window

All-glass door element

Double-wing door element

Double-wing door element with glass window

Sliding door element

Sliding door element with glass window

Fast-action door

Swing door element

Roller door / sectional door

Other sizes and structural elements on request

Partition wall as a room-dividing element

Executive office with double glazing

PTW 82 – Partition Wall for Office and Administration

An intelligent system with many advantages:

»Our office rooms need to be flexible, i.e. a conference room one day, and a workplace or a seminar room the next. And we have found that the Office Room Systems also have this flexibility.«

The PTW 82 Partition Wall System offers countless options for creating new rooms in your existing office and administration areas – fast, flexible and visually appealing.

The variable planning of layout and surface, as well as the unlimited possibilities for combining solid wall surfaces with glass surfaces enable individual design.

The partition wall is available with PVC cover profiles and PVC skirting boards or, alternatively, with steel skirting boards, painted top-hat profile and keder strip.

The fixture of the single elements using top-hat profiles allows short reconstruction times and adjustments to be made directly at the construction site.

- Shorter construction time thanks to a high degree of prefabrication
- Simple realisation and convertibility
- High efficiency with respect to modification
- Installations and modifications without noise and dirt
- Hard and durable partition wall surface
- Sustainability due to reusability and recyclability
- Wide range of surface materials, structures and colours
- High sound insulation value

Particular transparency using glass partition walls

Wall Construction

- Wall thickness: 82 mm
- Galvanized substructure 56 mm thick with horizontal reinforcements, system perforations in the supports for routing cables and pipes
- Floor profile with plastic base as a standard, with steel base as a variant
- Panelling with 2 x 13 mm melamine resign laminated chipboards, alternatively powder-coated sheet steel or Taurid coating on gypsum-board carrier plates; special solutions on request
- Cover profiles, galvanized top-hat sections with PVC cover plates or powder-coated variant profiles with keder strips

Glass Elements

- Steel frame   powder-coated
- Standard sill height   900 mm
- Double glazing   4 and 6 mm float glass
- Single glazing   6 mm float glass
- Other glass types   available as a standard

Door Elements

- Rebated doors and un-rebated door leaves
- Thickness depending on the required sound absorption class with laminated covering on both sides
- Surface according to sample template
- All-glass doors with toughened clear glass or satin-finished surfaces
- Double door systems
- Special door systems on request
- Option: Glass window, Schall-Ex® (retractable bottom seal)

Sound Insulation Values

- Solid wall Rw,P = approx. 36 – 46 dB
- Glass wall Rw,P = approx. 21 – 40 dB
- Doors up to sound protection class SSK 2

Manifold Surface Variants

- Melamine resin laminated chipboards, monochrome or deco finishing, according to your choice
- Various types of glass
- Steel panels made of powder-coated sheet steel with gypsum-board carrier plate
- Taurid coated surfaces with gypsum-board carrier plates

Construction
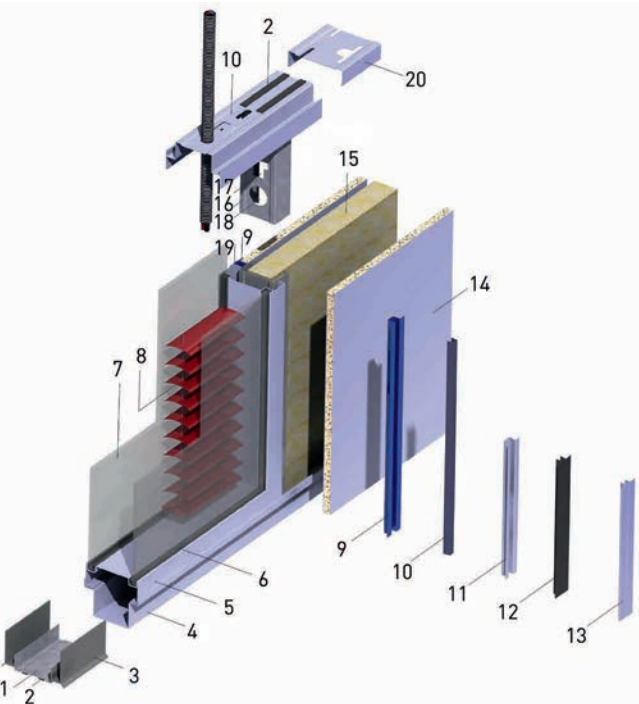
1. Galvanized floor profile
2. Sealing tape
3. Plastic base board
4. Floor profile with shadow gap
5. Glass element
6. Transparent glass holder made of plastic
7. Glazing
8. Interior blinds between the double glazing
9. Top-hat profiles of powder painted steel
10. Filling profile of plastic
11. Top-hat profile of galvanized steel
12. Cover profile of plastic
13. Cover profile of powder painted steel
14. Melamine laminated chipboard
15. Mineral wool
16. Steel support
17. Perforation for the cross profiles
18. Perforation for the cable duct
19. Ceiling profile with shadow gap
20. Wall profile / Ceiling profile

Solid wall

Solid wall fitting element

Glass wall

Glass wall with fanlight

Solid wall with sliding window

Fanlight wall

All-glass wall

All-glass wall with fanlight

Door element

Door element with glass window

All-glass door element

Double-wing door element

Double-wing door element with glass window

Sliding door element

Sliding door element with glass window

Other sizes and structural elements on request

Structural Steel Platform System

Our structural steel platforms enable you to expand storage and production areas easily, and utilise previously unused space effectively.

By making use of the workshop's height the available area can be multiplied.

Whether a raised workshop and foreman's office are required, or an additional storage facility, we plan the optimal solution for your room requirement according to your wishes.

The platforms can be combined with our partition wall systems

Storage platform with integrated shelving system

SSB – Structural Steel Platform System

An intelligent system with many advantages:

»The structural steel platform was assembled for us quickly and smoothly. Now at last we have some space again in our warehouse.«

Structural steel platforms are the cheapest solution for creating additional space in the production, warehouse and sales areas.

Unlimited possibilities for creating extra storage levels, production areas or sub-constructions for room systems using modular structural steel elements.

Some of the benefits of our structural steel platforms are the high degree of flexibility and the high load-bearing capacity.
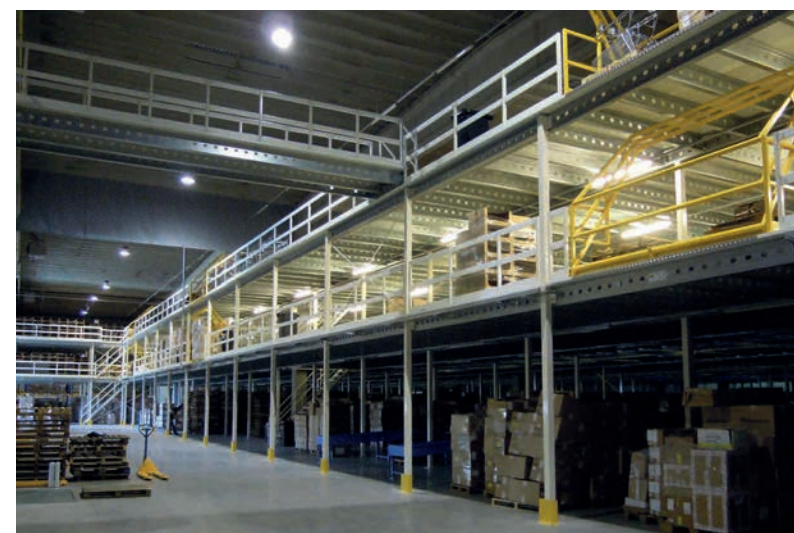
- Optimal use of existing room heights
- Creation of additional storage areas without complex construction or renovation
- Tailor-made solution for your individual requirements and spatial conditions
- Structural analysis guarantees maximum security (calculations are available on request)
- Flexible and wide spans available (avoids too many supports)
- Can be combined with our partition walls
- Easy to implement and adapt
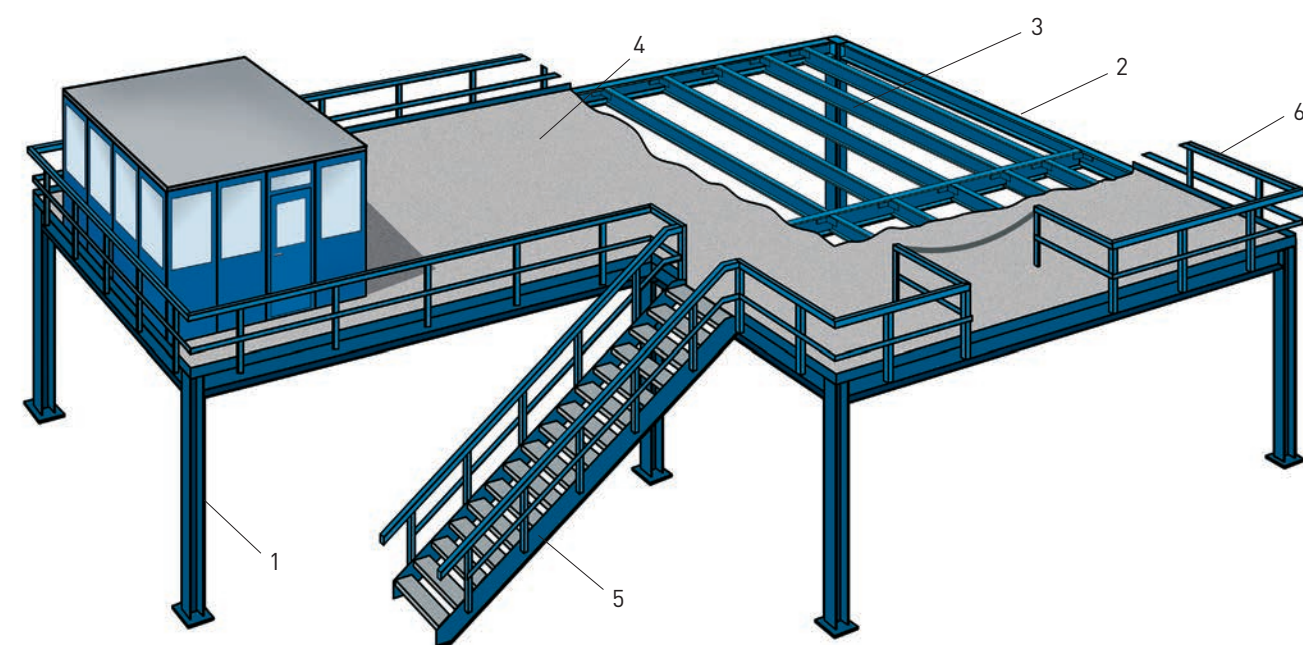- Sustainable through reusability and recyclability

Two-storey storage platform

Construction

1. Supports
Made of hot-rolled steel or square tubes

2. Crossbars and 3. Purlins
Made of hot-rolled or cold-rolled steel (size and dimensions depending on the required load and support grid)

4. Covering
Chipboard V 20 (38 mm thick) both sides untreated
Option: with white bottom section or high-strength chipboard with anti-slip coating

5. Stairway
Optionally with steps made of grating or checker plate

6. Railing
Made of square tubes

Surface
Primed and coated with two-component paint
Option: hot-dip galvanized

Floor Coverings
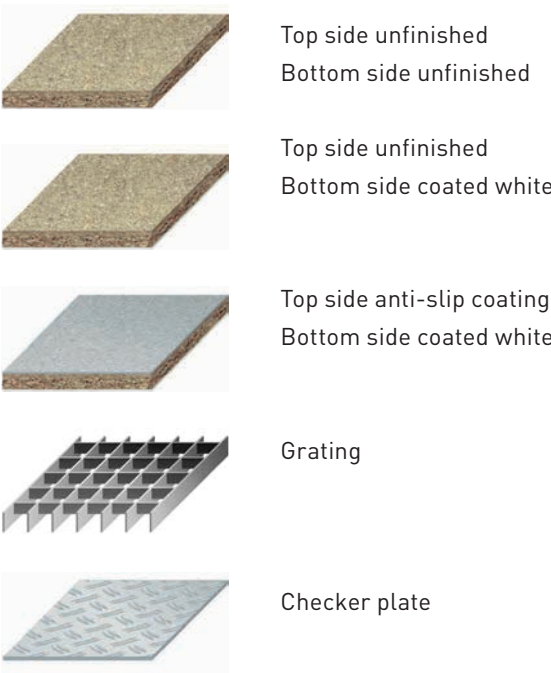
Top side unfinished
Bottom side unfinished

Top side unfinished
Bottom side coated white

Top side anti-slip coating
Bottom side coated white

Grating

Checker plate

Structural steel platform with walkway

Storage platform with pallet loading station and safety chain

Storage platform with rocker and safety gate

Door and Gate Area

Door closer

Door stop/
door catch

Ventilation slide/
ventilation screen

Roller door /
sectional door

Swing door /
fast-action door

Window Area

Sliding window

Turn/tilt window

Interior ledge

Toughened glazing/
laminated glazing

Sanitary Installation

Wash basin

5L under-table unit

Urinal

WC

Shower cabin

Sound Insulation Version

Retractable
bottom seal in
the door

Glass window 8 mm
toughened safety
glass in the door

Ceiling with mineral
wool insulation
(40 mm thick)

Electrical Installation

Wall convector
2 or 2.5 kW

Air conditioner

Surface-mounted
lighting trays

LED Square-edge
panel

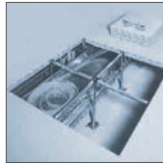## Floor covering / Floor Construction

PVC floor covering,
2 mm thick,
finished,
modern silver grey

PVC floor covering,
2 mm thick,
finished,
moda anthracite

Needle felt floor

False floor

How many walls do I need?

4-sided
room solution

3-sided
room solution

2-sided
room solution

1-sided
room solution

Construction Options

1-storey room
solution

Room solution under a
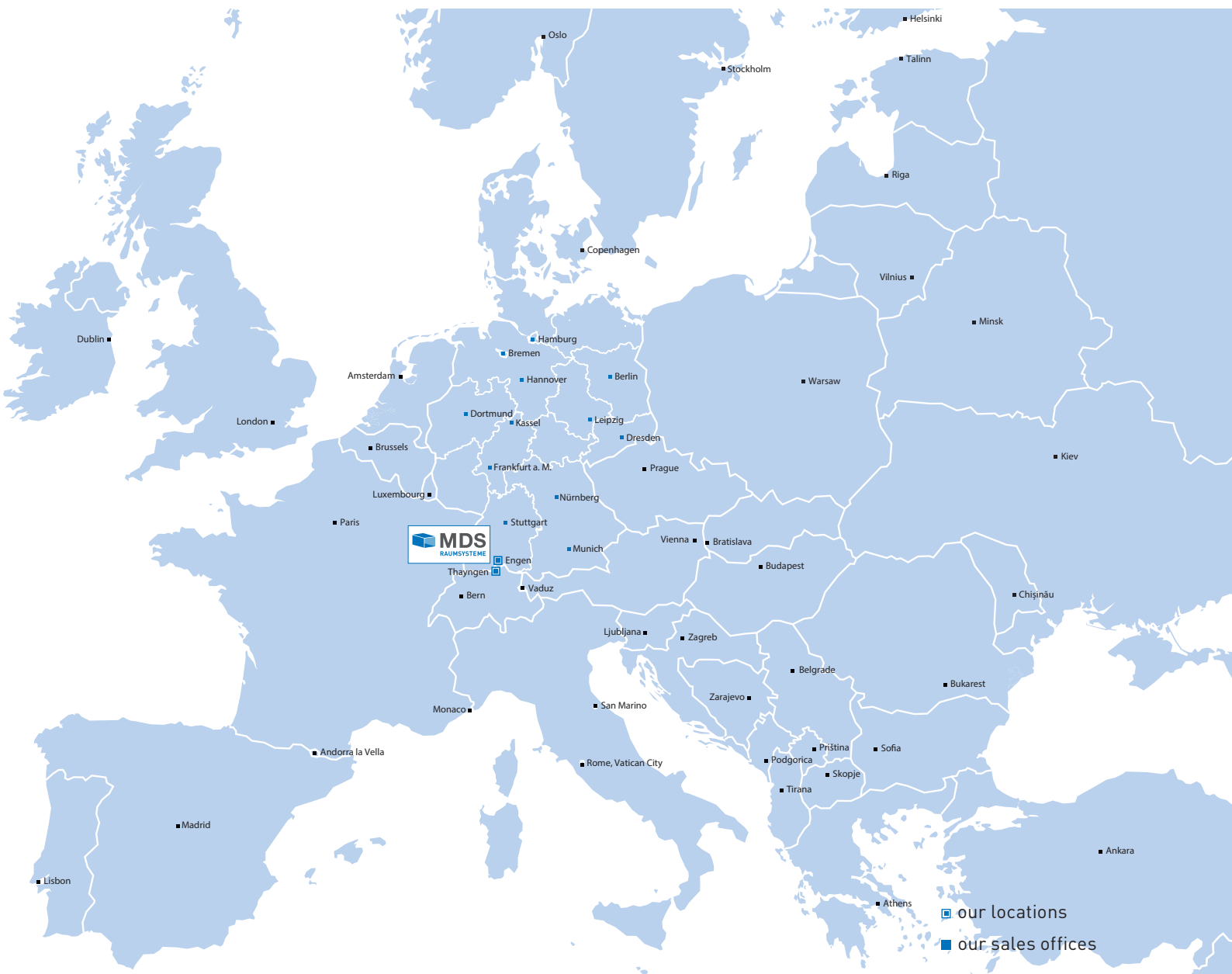structural steel platform

2-storey room
solution

Room solution on top of a
structural steel platform

PREMIUM QUALITY

MADE IN GERMANY

MDS
RAUMSYSTEME

Helsinki

Oslo

Stockholm

Talinn

Riga

Copenhagen

Vilnius

Minsk

Hamburg
Bremen
Amsterdam
Hannover
Berlin
Dublin
Dortmund
Warsaw
Kassel
Leipzig
London
Dresden
Brussels
Frankfurt a. M.
Prague
Kiev
Luxembourg
Nürnberg
Paris
Stuttgart

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Thayngen
Munich
Vienna
Bratislava
Vaduz
Budapest
Chişinău
Bern
Ljubljana
Zagreb
Belgrade
Bukarest
Monaco
San Marino
Zarajevo
Andorra la Vella
Rome, Vatican City
Priština
Sofia
Podgorica
Skopje
Tirana
Madrid
Ankara
Lisbon
Athens

■ our locations
■ our sales offices

We create rooms for Europe
and are close at hand - wherever you are

Carbon neutral
Print product
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