



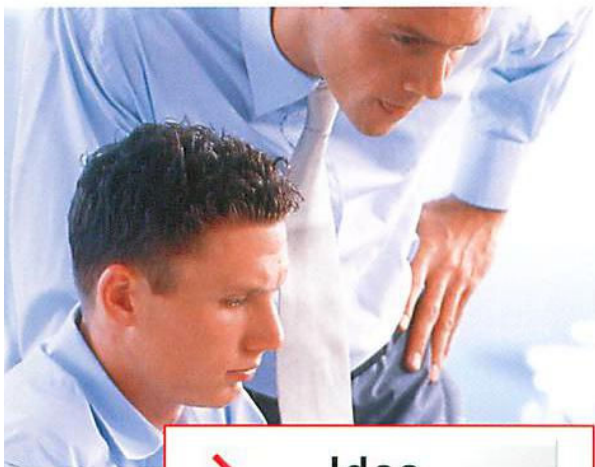
Partition wall and office systems



SYSTEM-**INFORMATION**

Partition wall and modular office system

Large or small... we create space,
with all services from one supplier.



Idea

An idea is the first step toward a solution. We work together with you to develop the best concept.



Planning

The goal is an economical and variable solution to meet your space needs and provide a pleasant working environment.

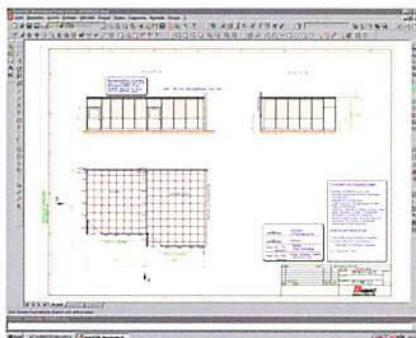


Production

You profit from our decades of fabrication experience and dedication to highest quality standards.



m^2
 m^3



Your planning system AutoCAD

With AutoCAD we design solutions for you, large and small, as a plan view or 3-dimensional. This puts your decision making on a solid basis.

GEMAC office systems: more space, more alternatives

Partition wall and modular office systems are ideal for maximum flexibility in office, storage and production areas. With GEMAC Indoor Line you create clean and friendly work places. Put your non-productive space to better use.

GEMAC makes space for your special requirements. Tell us what you need. We will plan and build the optimum, most economical solution for you.

With our Indoor Line system we create variable offices and partitions. If required, even as two-storey or platform mounted units. An additional advantage: Through its modular design, Indoor Line can grow with your project. You can quickly add on or modify it at any time.

Gemac - systems are used
by renowned firms, such as...



ms from GEMAC



> Service

From planning and project management through erection and follow-up: You can always count on GEMAC.

We look forward to your projects. Ask GEMAC, or do the preliminary planning yourself. We will provide optimum planning based upon your input.

Our team is ready to help with all of your planning problems. We would be pleased to provide a detailed offer.

Call us:
Tel. +49-(0)5722 205-0

... or mail us your requirements:
info@gemac.de

For more details about our systems and references visit us at
www.gemac.de

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GEMAC is also your single-source supplier for storage systems.



Ask for information about our storage systems!

Let your ideas run free – with

Optimum space usage for production, storage

Space is "luxury", and therefore expensive. Its economical use saves space and your money. When organization and environment function well and safely, and friendly colours do their part – employee motivation will be the result.

With GEMAC partition wall and modular office systems you make best use of your resources and achieve maximum design flexibility.

As a manufacturer of high-quality storage systems, including pallet racks, shelves, wide-span and cantilever racks we offer complete solutions.

The formula for success is everything from one supplier.

Two-storey systems

Just stack another office on top!

Page 8

Individual solutions

QC, testing, specialized production.

Page 14

GEMAC brings colour into the game!

Colour as a quality factor?
Of course, because our epoxy-coatings are rugged.

Colour is a motivation factor –
You can select from our standard colour pallet or ask for special colours.

Standard colours

Standard colours for walls and doors in our office systems:

■ RAL 7032 (gravel grey)

in combination with

■ RAL 9002 (grey-white)

■ RAL 7016 (anthracite grey)

■ RAL 5010 (gentian blue)

Additional colours of your choice are available.

Window mouldings are RAL 7016 (anthracite grey)



As a member of the Manufacturer's Association for Storage Technology and Warehouse Equipment we are committed to the highest quality standards.

GEMAC!

and offices

Shelving systems

Your economical warehouse with pallet racks, shelves, wide-span and cantilever racks from GEMAC.

Structural steel system platforms

Over and under:
Use your space reserves.

Page 10

Partition wall systems

Partitions that unite: for example social or training rooms.

Page 4

Modular office systems

Our modular system for offices of all kinds. An efficient workplace is guaranteed.

Page 6

Supervisor and factory offices

Everything in view, right where it's happening.

Page 6

Additional information on system assembly and accessories can be found on page 16.



▲ Partitions walls that unite – custom designed

▼ No wasted corners



Configuration variations

Numerous configuration variations are designed to fit your individual requirements.

- Glazed wall elements
modular widths 500, 750 and 1000 mm
- Standard glazing; 5 mm float glass with PVC – window mouldings
- Standard sill height 1090 mm
- Fully glazed wall elements; safety glass up to sill height
- Full wall elements additionally in 250 mm width
- Wall elements up to 7 m height

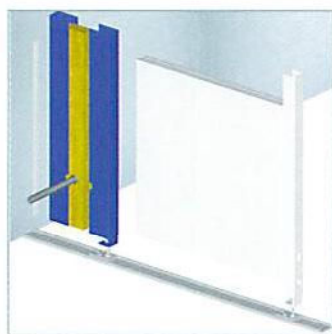
Indoor Line partition wall system

The partition wall system Indoor Line is the quick and economical solution for dividing rooms into individual or separate work areas. At the turn of a hand you can create quiet zones, away from noise and dust, in your storage or production areas.

The galvanized sheet metal wall elements are 45 mm thick. Sound and thermal insulation is provided by full area insulation with rock wool. Generous glass fronts provide a bright and friendly atmosphere.

If you want modifications at a later date - no problem: All elements can be quickly disassembled moved and reassembled free of dust and grime.

We are always glad to provide assistance.



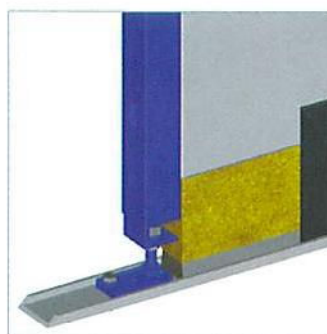
GEMAC wall connection

Our adjustable wall adapters guarantee precise connections to existing structures

- Two-piece wall adapter (depicted in blue)
- Hollow space insulated with rock wool
- Adjustable width up to max. 300 mm
- Easy cutouts for pipes etc.

Modular system design

- **Practical hook / screw system**
- **Modular system** – for maximum design flexibility
- **Adjustable wall adapters** for individual solutions
- **Modifications and add-on stories** are possible when ever required
- **Environmentally safe materials**



GEMAC floor connection

Square tube uprights are screwed to the floor. They are equipped with spindles to adjust for floor tolerances.

- Adjustable uprights (depicted in blue)
- Bottom connection through flexible PVC - floor mouldings
- Hollow spaces insulated with rock wool
- Sheet metal siding



Wall element



Glazed element



Centre glazing



Elevated glazing



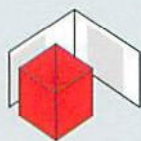
Full glazing



Multipurpose rooms right where it's happening have clear advantages: everything in view, short distances, efficiency. With GEMAC Indoor Line you create productive islands in your factory, like supervisor offices, control rooms and multipurpose rooms like laboratories, break- or conference rooms and social rooms.

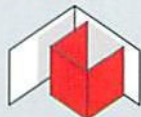
The assembly of the pre-fabricated elements is completely free of dust and grime. With a minimum effort you create new space situations as needed.

Product variations



4-sided

Possible anywhere regardless of the space and structural circumstances.



3-sided

In combination with one existing wall



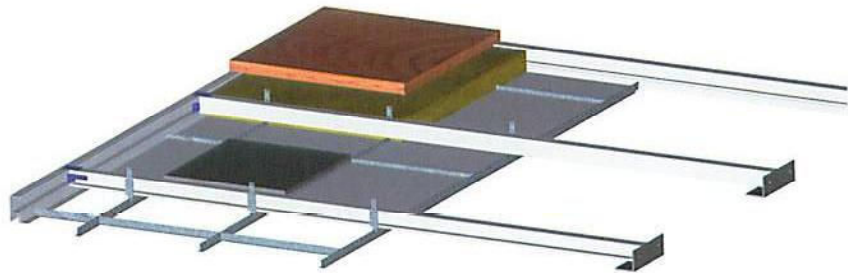
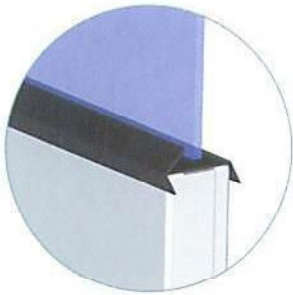
2-sided

In combination with two existing walls

We comply with building regulations!

When planning, designing and building our office systems, we adhere to German workshop regulations, ArbStättV, and the associated guidelines as well as the safety regulations, UVV, of the German Occupational Safety Association.

Indoor Line modular office system



GEMAC - standard glazing

- 5 mm float glass
 - Window panes held firmly by PVC-mouldings
 - Seal and exact flexible fit through sealing lip
- Additional glazing options available

Additional glazing options

- Insulating glass
- Single pane safety glass
- Laminated safety glass
- Wire reinforced glass
- Translucent glass
- Plexiglas

GEMAC - ceiling system

A simple, easy to assemble system was our goal as we designed the ceiling.

- Ceiling supports hang from a steel perimeter frame
- Consoles connect the ceiling supports to existing walls
- Visible modular hanging system 625 x 625 mm with

mineral fibre acoustical panels

- Additional rock wool sound insulation
- Optional live-load bearing ceiling through plywood or trapezoid metal covering



▲ We provide you with an overview.

▼ Not a centimetre wasted – just as it should be!



Two-storey units



GEMAC – modular office systems are unbeatable as two-storey units. The support structure is fully integrated: You create “feel-good” offices by the stack. Just stack one office on top of the other – with GEMAC everything is completely in one hand!

Space-saving design, variable and economical

- Structural steel system platforms as support for upper storey
- Platform uprights are located within perimeter of the ground level
- Ground level: platform support beams hidden by suspension ceiling. Economical direct fastening of the mineral fibre ceiling to the steel structure
- Wall configuration is identical to ground floor offices
- Integrated ceiling lamps



GEMAC system stairs - We comply with regulations

Designed to fit your needs / existing structures and pertinent regulations

- Ergonomic solutions
- Usable staircase width 1000 mm
- Non-slip surface
- Multiple stair-step options
 - Beech-plywood
 - Galvanized steel grating
 - Aluminium bulb-plate
- Railing
 - Non-slip handrail
 - Handrail consists of 1" tubing at 1000 mm height
 - Knee rail consists of 1/2" tubing at 500 mm height
- Railing joints connected by internal fasteners
- No welding required at the building site



We get you to the top safely



Structural steel system platform

Make use of the last space reserves in your warehouse or factory and gain effective working area. With modular GEMAC structural steel platforms you can build above existing areas and use your space all the way up to the ceiling.

GEMAC platform design

Planning and fabrication according to individual customer specifications

- Structural calculations according to the latest technical codes (DIN 18 800)
- Space between Uprights up to 6000 mm (standard)
- Maximum loading 300 or 500 kg/m²
- Cross-bracing free design though rigid structural connections
- Structural and platform supports consist of hot-rolled steel I-beams
- Beam deflection max. 1/300
- Certified structural calculations upon request
- Rugged epoxy-coatings
- Bolted design allows easy add-ons later

- Staircase landings are available in multiple optional designs

Platform flooring:

- Standard: plywood 38 mm thick with tongue and groove
- System flooring:
Additional thermal and sound insulation

Applications:

- Storage platforms, especially in conjunction with GEMAC-shelving systems
- Platforms above production, assembly or storage areas
- Platforms for multipurpose offices with ground floor and/or upper storey



Completely bolted frame connections, free of cross-bracing

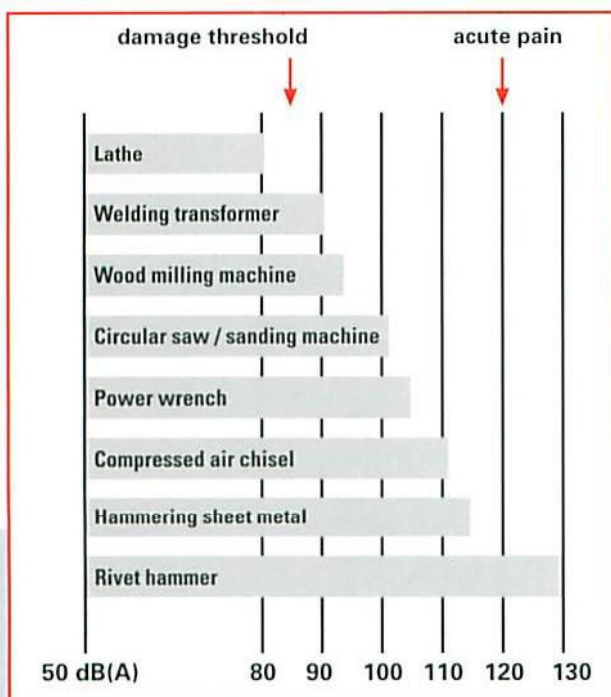


Staircase with plywood or galvanized steel grating steps, landing and safety railing according to Safety regulations ZH 1/113 and ZH 1/428





^ Quiet strength – Sound protection enclosures



See pamphlet 6 "Lärm"; Sicherheit für Sie; HBVG; Wiesbaden 1997

GEMAC – office systems meet your requirements for noise reduction.

Protect your employees against the physical and psychological damage of noise pollution and therefore your company against the economic consequences.



Noise reduction with Indoor Line office systems

Our office system with sound insulation program provides the necessary protection from constant noise pollution.



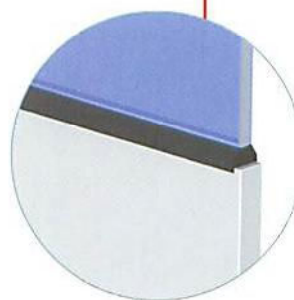
GEMAC noise reduction features

- Double sheet metal siding completely rock wool insulated
- Base area insulated
- Double glazing held by PVC - window mouldings
- Automatic door to floor sealing
- Mineral fibre acoustical ceiling with aluminium backed mineral wool insulation or optionally mineral fibre insulation covered with plywood for additional dust protection
- Ceiling ventilator with sound reduction hood
- Wall ventilation louvers with sound reduction design

GEMAC-insulation glazing 28

Consisting of:

- 6 mm float glass
 - 18 mm LZR
 - 4 mm float glass
- held by special mouldings



The sound insulation of the GEMAC partitioning system Indoor Line has been tested acoustically according to DIN EN 20 140 part 3 in the laboratories of the MPA NRW for three different designs (See test report No. 42 0637 8 99-1 through 3, dated Nov. 10, 1999).

The following insulation R_w values were determined acc. to DIN F-N ISO 717-1 for the three GEMAC designs listed as follows.



33 38 39 R_w [dB]

Center glazed element with 5 mm float glass

Center glazed element with insulation glass

Full wall element



A good combination

... quick add-on storey for existing structures

- Gain additional work area
- Exact fitting to existing structures

■ Quick assembly and erection

■ Colour coordination

■ Add-ons when ever required

Wall heights of up to 7 meters

make partitions all the way up to the ceiling possible

- Statically tested with wind load
- With special double up-rights

■ Reinforced base

■ Easy accommodation of pipes

■ Generous glass areas



Individual solutions

Are you looking for economical solutions? Then GEMAC is your partner. Thanks to our flexible modular design, we can offer individual solutions tailored to your special requirements.

GEMAC functional offices

- Supervisor and factory offices
- Sound reduction enclosures
- Smoking rooms
- Control rooms
- Break rooms or quiet rooms
- Computer rooms
- Control stations
- Safety zones
- Clean rooms
- Instrument rooms
- Storage partition walls
- QC rooms
- Laser enclosures
- Mobil enclosure for fork-lift platform
- Sound reduction walls



Sliding doors XXL

insure access for large parts to be worked on or inspected

- Ceiling high openings
- Easy opening and closing of the doors
- No interference with existing traffic lanes



Fast-running vertical roller doors

allow a fast and uninterrupted flow of material

- Customer designated design and size
- Actuated by feeler, pull switch, photo-electric cell, induction switch, radar or remote control
- Various speeds
- Curtains with or without transparent strips

Electrical components

Lighting



Standard ceiling lamp
mounted under the ceiling



Integrated ceiling lamp
integrated into the ceiling

Optional computer compatible workplace lamps available

Cable conduit



screwed directly to the wall, PVC
Complete view



Double socket

Ventilation



Wall mounted ventilator
with closable louvers



Ceiling ventilator
delivered with
additional sound
insulation



Rpm controller
for ventilator

PVC-window mouldings
with sealing lip

Window pane

single pane glazing, 5 mm float glass or
with insulation glass 4/18/6 mm

Air conditioning



Compact unit
for cooling or for cooling / heating



Electric convection heater
wall mounted



Outside unit



Split air conditioning
Ceiling panel



Wall unit

Uprights

spindle adapts to floor tolerances

PVC- base moulding

continuous plastic moulding

Baseboards

made of metal

Additional accessories



Double floor



Corner protector

solid, robust design with
safety markings



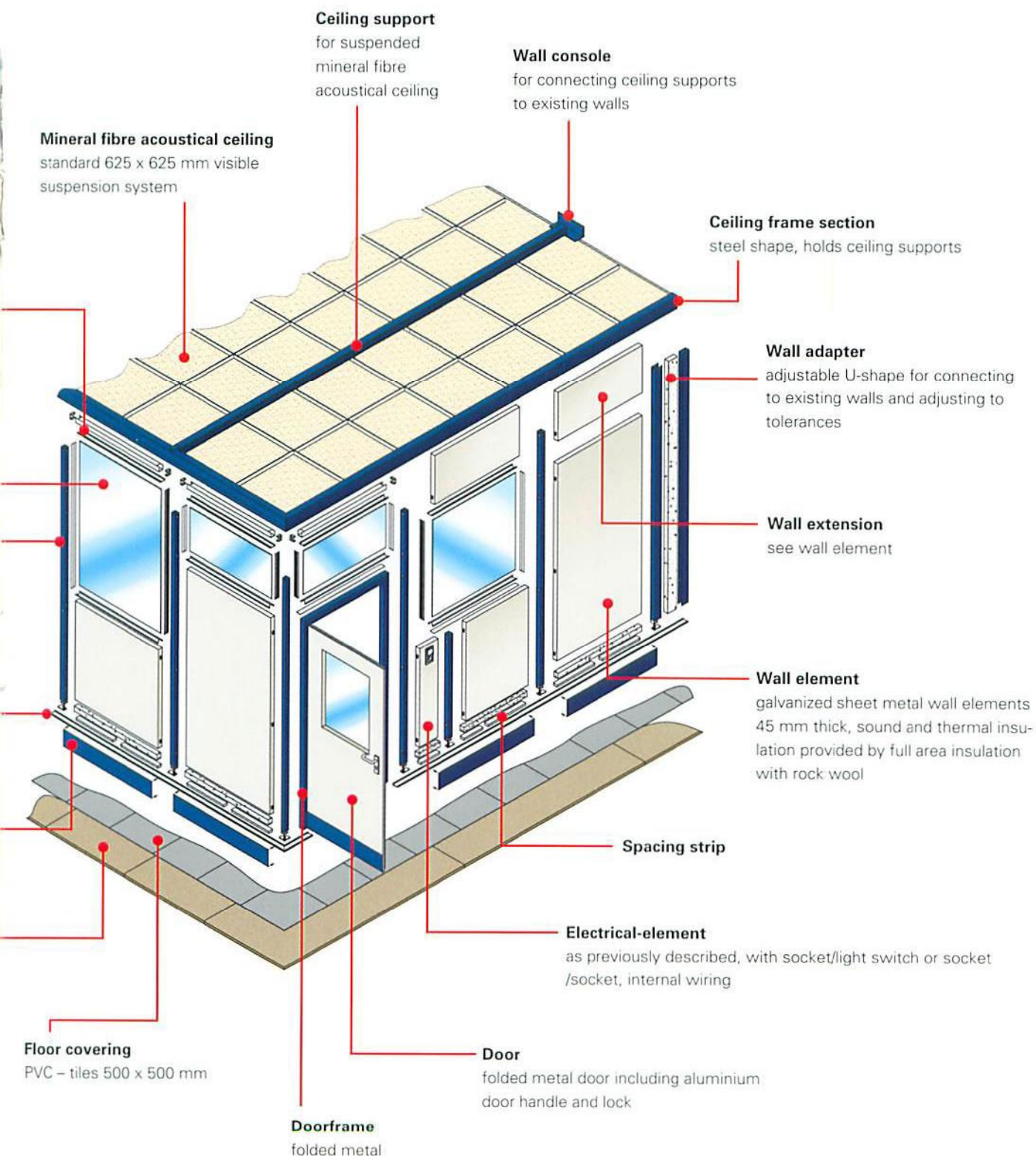
Protection rail

Wooden flooring

particleboard V100, 28 mm thick

System assembly and accessories

Complimentary components make up the GEMAC-modular system. Useful and practical accessories round off the line. A convincing technology.



GEMAC

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The GEMAC fabrication program



**Pallet rack system
Normapal**



**Shelving system
Normafix**



**Shelving system
Combifix**



**Wide-span shelving
system Combifix**



**Cantilever rack system
Screwfix**



**Structural steel
system platform**



**Individual solutions,
for example
supervisor offices**



**Partition wall system
Indoor Line**



**Modular office system
Indoor Line**