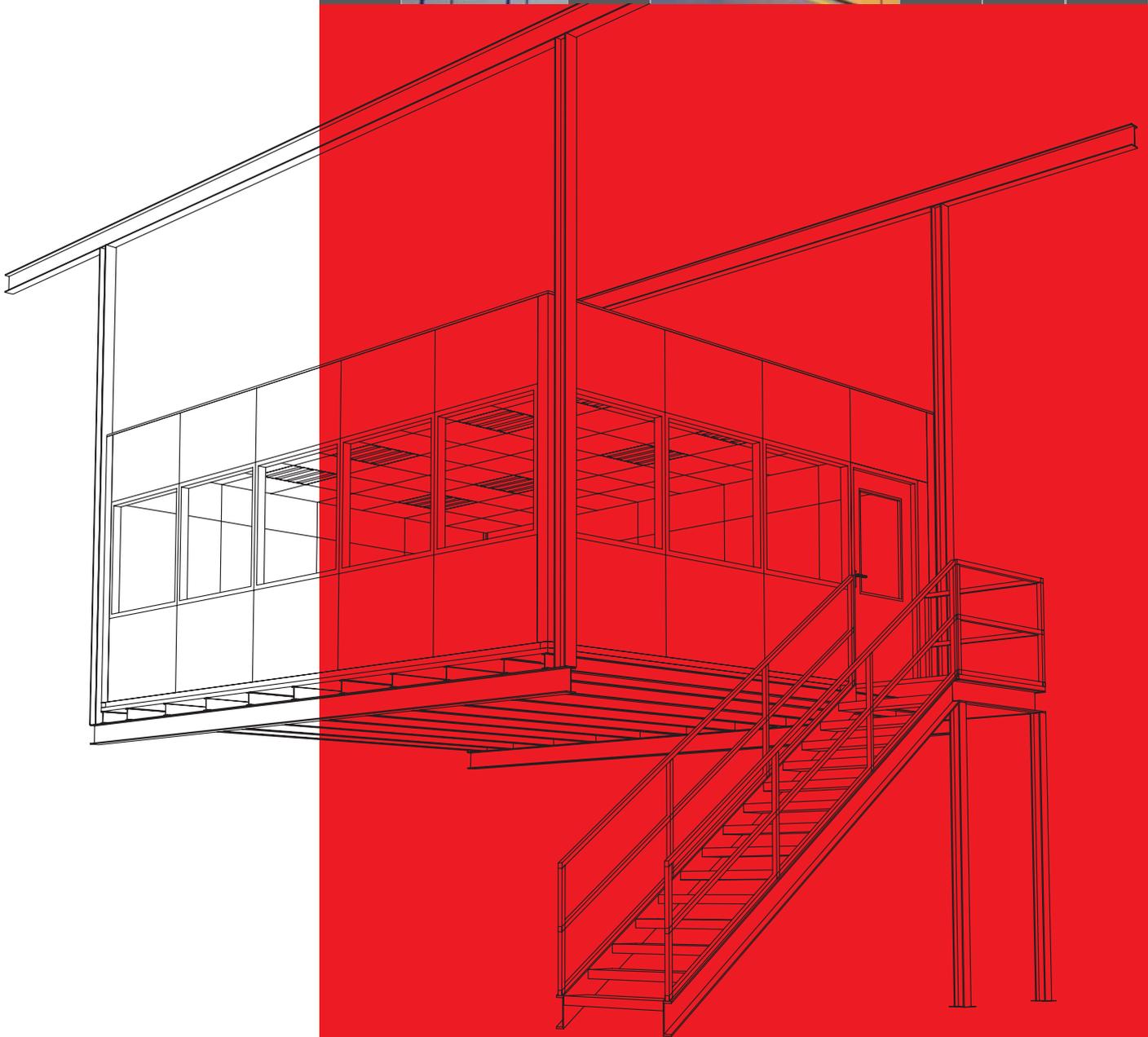


# The room-in-room concept

The system-wall professionals



# Empty space becomes new free space



Can you imagine doubling your effective working area without enlarging your production hall by even one millimetre?

With the Lehnert **booth**, this idea does not remain an unfulfilled wish, but can be put into practice without problem. An intelligent

room-in-room solution, the Lehnert **booth** adapts itself flexibly to all special situations and creates additional office and production areas where one would not expect to find them.

As a part of this the constructional and special prerequisites at your facilities are of low importance. With innovative ideas

and unusual structures, Lehnert **booths** offer attractive solutions for industrial areas even under difficult conditions. Unused, empty space thus becomes new free space for your business.

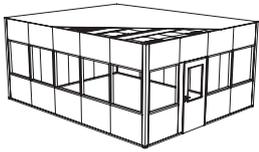


The room-in-room concept

Lehnert **booth**



# Special rooms for special requirements



**Ground-level booth**

Noise and dust are part and parcel of production, but despite that you need an office in the direct vicinity of your manufacturing where you can concentrate on your work.

The ground-level, single-storey Lehnert **booth** creates room for concentration and creativity exactly where it is needed, clearly separated from noise, dirt and machine odours.

Due to the huge variety of surface and colour configurations, Lehnert **booths** create individual room concepts for the most varying areas of activity, ranging from the separate operating panel in the production to a demanding cleanroom. A Lehnert **booth** can cope with changing requirements anytime. It can be rebuilt quickly with no extra materials.



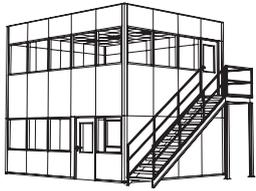
The room-in-room concept

Lehnert **booth**





# Gain twice the space



**Double-decker booth**



If the space gained with one Lehnert **booth** is insufficient, then we place another one on top of it! With a second storey, the Lehnert **booth** becomes a small high-rise building which can serve different purposes simultaneously. In this way, for instance, the administration can carry on their work on the first floor whilst innovation is being researched underneath.



The room-in-room concept

Lehnert **booth**





# More space out of thin air



Elevated and hanging booths



The excellent characteristics of the Lehnert **booth** are most apparent when there is no more room for it in the existing area. Then the Lehnert **booth** goes directly up to the second storey. As a complete room with a steel support frame, or in the suspended version. Every last inch of your industrial hall or office block can thus be turned into valuable useable space.

The room-in-room concept

Lehnert **booth**





# A safe, clean solution

Analysis of requirements and individual planning of your desired room are naturally just as much a part of our service as guaranteed dates, costs and constructional safety. Your regular office routine need not be interrupted for the professional and clean assembly of your walls. Electrical and computer cables and water pipes are, of course, laid out of sight in the walls.

Being system-wall professionals means for us:

- Planning and manufacturing with CAD
- In-house production of glass elements for all systems
- Colour-coating of aluminium, steel and plastic parts
- Manufacture of special structures in our steel construction department

One-source planning and delivery ensures that our customers' projects flow smoothly, from drafting the proposal to installation.



The room-in-room concept

Lehnert booth





# Technical data

	Standard	Option
Dimensions	Object-dependant	
Construction type	Single-storey	Multi-storey Elevated on a steel frame Suspended from a hall structure
Floor		50 mm – 500 mm constructional height Heat insulation Soundproofing Double floor, elevated Choice of floor coverings
Wall construction	Galvanised C-profile frame construction, vertically and horizontally connected for attaching cable and pipe installations up to 25 mm	Strengthened version for loading of ceilings Insulation material up to 50 mm thick Limited walkability Load distribution according to customer's wishes
Grid	1000 mm + adjusting element	Intermediate grids < 1250 mm possible
Wall thickness	82 mm (2-panel)	107 mm (4-panel)
Sound insulation	Full wall RwP = 43 dB (with acoustic infill)	Full wall up to RwP = 53 dB Booth sound insulation up to Rw approx. 40 dB
Wall panels	Melamine-laminated chipboard 2 x 13 mm, surface according to colour chart With plastic cover profile attached	Gypsum board support coated with vinyl sheeting Patterned surfaces Plastic panels for wet areas Raw gypsum board panels for tiling Steel cover profile Steel cover profile with PVC weather-strip Aluminium cover profile Powder-coating/enamelling according to RAL Anodising
Glazing	Single or double glazing in aluminium frames, powder-coated	Glazing suitable for cleanrooms, hinged-tilt window installed flush in steel frame with PVC-strips, for opening and reaching through sliding window All types of glass up to 7 mm Blinds: installed between the glass panes, vertical or horizontal, with manual or electrical operation
Door frame	Rounded aluminium frame, 3-dimensional hinge pocket adjustable	Steel frame with folding door leaf Steel frame with special folding construction for increased soundproofing
Door leaf	40 mm dull-slammung, chipboard tube core Surface melamine-laminated according to colour chart	Soundproof door leaf Full glass door leaf, ESG Soundproofed, double-rebate1 door leaf 55 mm Sliding door Door with steel surface "softtouch" Double-leaf door Swing-door Aluminium-frame door Door leaf: climatic class I – III
Industrial doors		High-speed doors, sectional doors
Fittings	Stainless steel handle, U-Form	all commercially available door fittings and handles possible
Ceiling/roof	Self-supporting structure Statically proven with suspended mineral fibre ceiling	Individual ceiling load All commercially available ceiling systems Dust protection: tiled booth ceiling
Lighting	Recessed luminaires	According to requirements
Colour design	Powder-coated aluminium and steel parts in RAL9010, plastic parts enamelled RAL9010	RAL-, NCS- and DB colours
Accessories		Electrical and computer installation Sanitary, ventilation and air conditioning technology Planning service



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