

The
system
wall.

**Creating space for success.
Since over 130 years.**

feco partition wall systems have a clear design style that significantly influences the effect of the building towards its interior. They create space solutions that combine with the given architecture. Another great advantage is that you can react flexibly to company changes with the feco system. New space requirements can be implemented without material loss – and if necessary during ongoing business operations.

But even more: feco also offers the highest level of technical perfection, whether in terms of meeting structural-physical requirements or low maintenance costs. Our partition wall system provides first-class sound insulation along with excellent statics. So, what else is there to say, other than show us your space?

Open
for the future.

The **feco**-forum. Our showcase room.

3.500 m² of showroom space

Although the photographs on these pages give you a first impression, they cannot replace a visit to our showrooms. The architecture of the feco-forum fascinates with spatial experiences of an extraordinary showroom building. Realistic office spaces are used to present the entire spectrum of the feco partition wall system. Future that you can touch.



Experience our feco partition wall systems at the feco-forum in Karlsruhe: Our vivid marketplace for architects, planners, builders, investors and occupants in search of the matching space solution.

The future
within your reach.

The **feco** system. Visible perfection.



Relocatability and adaptability

The great advantage of the system walls is their relocatability. In conjunction with an element system matched to the building grid, rooms can be subsequently adapted to requirements, walls installed and removed or doors exchanged for wall elements. If required, even during ongoing business operation. These points are exactly what make the walls sustainable systems that protect the environment. The additional investment compared to drywall walls usually pays for itself with the first conversion measure.

Wide range of design options

The partition wall elements – whether solid wall, glazing or door units – all have a basic wall thickness of 105 mm. Door and glass frames are face-flush with the closed wall elements and separated by 6 mm shadow joints. The only exceptions to this wall thickness are the fecoplan all-glass structures and the special design variants with wall thicknesses of 125 mm and 175 mm respectively for exceptional static and acoustic requirements.

All fastenings are concealed as standard. Screw connections or other point connections are not visible, neither in the closed wall elements nor in glass walls. Connections to the floor, wall and ceiling have recessed shadow joints. The ceiling connection has a standard telescopic design to accommodate construction tolerances and structural movements.



feco-partition wall systems offer a wide variety of room solutions

feco partition wall systems are as individual as your project.

System partition walls are lightweight, non-load-bearing, unitized and removable interior walls with closed and transparent surfaces made of wood, glass and metal. They consist of a metal substructure and two-sided cladding with intermediate insulation as well as glazings and doors. The wall elements are prefabricated building-specific at the factory and assembled on site in short, clean assembly processes.

Highest requirements fulfilled

feco system walls meet the highest construction-related requirements in terms of sound insulation, sound absorption, fire protection and statics. Add to this, the wide-ranging design options. In addition to a wide variety of surfaces, the feco system offers a wide range of glazing constructions for every requirement and every taste.

Please contact us for more information on how we can individually meet your specific requirements.



Relocatability
without material loss



Fulfillment of the
maximum structural-
physical requirements



Optimized
room acoustics



Versatility
& Compatibility



System-integrated
solutions



Perfection
in detail



Partition walls create spaces.

fecowall. The solid wall.

Its versatility makes it a classic

Melamine, laminate, veneer, textile or metal, with normal or high sound insulation, with or without fire protection – whichever version you choose, the look and the acoustic impression is perfect. Because even in the basic version, fecowall offers sound insulation of $R_{w,p} = 47$ dB.

Only with the feco clamping system, wall panels are clipped into the system uprights using the full-length, reverse-mounted steel retaining rails. The advantages in comparison to point fixing are:

Improved stability: The clamped, continuous clips rails result in an solid connection with the partition wall upright and thus increase the static strength, proven according to DIN 4103.

More precise joint pattern: At the same time, the partition wall panels are accurately locked against lateral movement. This ensures longitudinal stability and, in particular, a precisely fitting joint pattern.

Increased sound insulation: The continuous tight connection between the partition wall panels and the substructure results in the best sound insulation.



As a CoC-certified company, feco can offer the planking of the fecowall solid wall from its own production with wood materials from sustainable forestry with FSC® or PEFC certification.

In the fecowall Blue version, the solid wall is available with melamine resin or laminate surfaces with the DE-UZ 176 Blue Angel eco-label.

Product features

- Flexible partition wall system as solid wall
- Wall thickness 105 mm, in special design variant 125-175 mm
- 6 mm slim shadow joint between the elements
- Concealed fixing of all wall elements
- Cladding made of wooden materials, generally three-layer particle board (for EI90/F90 gypsum particleboards)
- Surface as melamine resin direct-coating as standard, laminates optional, real wood veneers, paint finishing, object-specific fabric or metal cases
- Insulation from mineral fiber with high biosolubility
- Sub-construction made of steel system profiles
- Recessed connections at floor, wall and ceiling
- integrated negative skirting, no skirting strips required
- Floating ceiling connection as standard
- High level of factory prefabrication for short assembly times
- Exceptionally high sound insulation due to feco clamping system with continuous clips rails
- Sound-insulation test values for solid wall $R_{w,p} = 47$ dB to 52 dB
- Fire protection solid wall EI30/F30 to W x H = 1,350 x 4,000 mm
- Fire protection solid wall EI90/F90 to W x H = 1,250 x 3,000 mm

Flexibly
into the future.

fecoorga. The organized office wall.



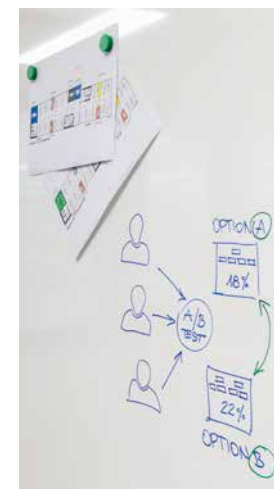
Product features

- System-integrated wall organization
- Wall thickness of 105 mm is upheld
- Horizontal organization with aluminium cross-section profiles for hanging in, flush mounted into the wall planking
- Vertical organization with substructure for slotted uprights, hanging slots spaced at 32 mm in the 6 mm system joints

Organizability - walls become furniture

Wall-flush-mounted aluminium transverse joint profiles or system-integrated slotted uprights allow for horizontal or vertical organization of the system wall. Numerous, tool-free mountable elements, such as shelves and whiteboards are available from fecoorga for individual wall organization.

Writable and pinnable wall surfaces turn the system wall into a tool for agile working methods such as Scrum, Kanban or Design Thinking.



The wall
as furniture.

fecophon. Optimized room acoustics.



Peace and quiet for concentrated working.

Glass and concrete, which are extensively used in architecture, are sound-reflecting surfaces that result in long reverberation periods in offices. In addition, component activation does not permit the installation of large-area sound-absorbing suspended ceilings. As a result, system walls with acoustically effective wall surfaces have gained enormous importance.

Slotted, perforated as well as textile absorber elements improve room acoustics. With the uniform wall thickness of 105 mm, sound-absorbing surfaces with a weighted sound absorption coefficient α_w down to 0.85 and sound insulation values to $R_{w,P} = 47$ dB can be realized on one or both sides.

By reducing reverberation periods, speech intelligibility is improved. Understanding becomes easier and talking more quiet. The improved acoustics have a positive effect on productivity.



Product features

fecophon wood

Wall-integrated fecophon wood absorbers are available with melamine resin direct-coating, laminates or real wood veneers. The base board of the horizontally or vertically slotted absorbers can be selected in natural MDF or colored through in black to match the surface.

fecophon fabric

The fecophon fabric acoustic elements with object fabrics or pinnable acoustic needle felt create a cozy atmosphere.

fecophon metal

fecophon metal sheet-steel absorbers with perforated surfaces can also be used as magnetic surfaces.



Quiet
in the office.

fecoplan. The all-glass wall.



The all-glass construction with system

Held in place only at floor and ceiling by slim aluminium profiles, the glass panes are vertically bonded with frameless transparency and are even reversible.

50 mm high connecting profiles enable the accommodation of construction tolerances and create a stable connection. Built to match: The T70 system door frame with integrated glass fixture. Uniquely with frame-integrated, aluminium door side-parts for accommodation of electrical installations and room signage.

Maximum transparency

The upright-free fecoplan glass wall offers maximum transparency. The joints of the all-glasspartition-system are provided with translucent glass tape with passivated front edges in dry bonding technology. This ensures uniform jointquality. Even better, all-glass construction becomes an un- and remountable systempartition wall solution.



Product features

- Central single-pane glazing as upright-free all-glass construction
- Wall thickness 35 mm
- Aluminium glass-retaining profiles with a mere 50 mm facing width at floor and ceiling
- Glass inset 15-25 mm according to DIN 18008
- Surfaces available anodized aluminium natural or powder-coated in a popular RAL color
- Glass butt-joints in translucent dry bonding with passivated front edges
- Aluminium-door frame tapered to 70 mm with integrated glass fixture
- Design possible as fall-protection glazing
- Sound-insulation test values of glass wall $R_{w,p} = 35 \text{ dB to } 42 \text{ dB}$



Nothing
but glass.

fecocent.

Flexible, economic, elegant.



Product features

- Wall-centered single-pane glazing in element design
- Wall thickness 105 mm, flush with solid wall and door elements
- Aluminium glazing frame with a mere circumferential 25 mm facing width
- Surfaces available anodized aluminium natural or powder-coated a popular RAL color
- Sound-insulation test values of glass wall $R_{w,P} = 35 \text{ dB to } 42 \text{ dB}$
- Sound-insulation test values of top glazing partition wall $R_{w,P} = 40 \text{ dB to } 44 \text{ dB}$
- Fire protection top glazing E30/G30 undivided to $W \times H = 2,050 \times 1,150 \text{ mm}$
- Fire protection glass wall EI30/F30 undivided to $W \times H = 1,350 \times 3,000 \text{ mm}$

Elegant versatility.

Captivating with its slim aluminium frame: With a facing width of only 25 mm and the center-lined glazing, sound insulation values of up to $R_{w,P} = 42 \text{ dB}$ are achieved – as well as fire protection requirements G30 and F30 if required Flexible, economic and elegant.



Elegant
versatility.

fecofix.

The wall-flush double-glazing.



Product features

- Wall-flush double-glazing
- Wall thickness 105 mm, flush with solid wall and door elements
- Aluminium glazing frame with a mere circumferential 20 mm facing width
- Glazing frame undivided in inter-pane space (no center joint)
- Surface aluminium natural anodized or powder-coated in popular RAL color
- Prefabrication of double-glazed elements at the factory ensures cleanliness of glass interior surfaces
- Blinds can be integrated center-lined in inter-pane space
- Design possible as fall-protection glazing
- Sound-insulation test values of glass wall $R_{w,p} = 39 \text{ dB to } 49 \text{ dB}$
- Sound-insulation test values of top glazing partition wall $R_{w,p} = 39 \text{ dB to } 50 \text{ dB}$
- Fire protection glass wall EI30/F30 as undivided triple-pane glazing to $W \times H = 1.350 \times 3.000 \text{ mm}$

State-of-the-art sound insulation

The wall-flush fecofix double-glazing provides office spaces the right frame and framework with discreet, 20 mm narrow aluminium profiles. The transparency is not even disturbed by a frame joint. The large pane spacing of the double-glazing provides exemplary sound insulation down to $R_{w,p} = 49 \text{ dB}$.

Clean as a whistle - Interior pane surfaces are cleaned at the factory

A special feature of feco double-glazing: It is supplied glazed on both sides. Under cleanest manufacturing conditions, the closed glass elements are produced, transported to the construction site and then mounted. Cleaning of the spaces between the panes at the construction site is a thing of the past. The inner surfaces of the panes are clean. Nonetheless, the fecofix glass elements can be opened, for maintenance purposes without having to disassemble the elements due to the ingenious structural design.



First class

outline conditions.

fecostruct. The structural-glazing.

The face-flush fecostruct structural glazing meets exclusive design requirements

Transparency and surface flushness are an expression of current architecture. In fecostruct they find their structural equivalent. The bonding of the frameless face-flush glazing to the concealed aluminium glass frame with a width of only 20 mm is impressive. The result: perfectly flat glass walls that inspire and yet seem so natural.

Clean as a whistle - Interior pane surfaces are cleaned at the factory

A special feature of feco double-glazing: It is supplied glazed on both sides. Under cleanest manufacturing conditions, the closed glass elements are produced, transported to the construction site and then mounted. Cleaning of the spaces between the panes at the construction site is a thing of the past. The inner surfaces of the panes are clean. Nonetheless, the fecostruct glass elements can be opened, for maintenance purposes without having to disassemble the elements due to the ingenious structural design.

Product features

- Face-flush double-glazing
- Wall thickness 105 mm, flush with solid wall and door elements
- Frameless Structural-glazing design
- Bonding of the glass panes aluminium-base frame
- Glazing frame without center joint in the inter-pane space
- Bonding surface with a mere 20 mm circumferential facing width
- Durable, UV-resistant, surface-homogeneous bonding
- Base frame optionally aluminium natural anodized or powder-coated in a popular RAL color, bonding in aluminium color or black
- Prefabrication of double-glazed elements at the factory ensures cleanliness of glass interior surfaces
- Blinds can be integrated center-lined in inter-pane space
- Design possible as fall-protection glazing
- Sound-insulation test values of glass wall
 $R_{w,P} = 39 \text{ dB to } 47 \text{ dB}$
- Sound-insulation test values of top glazing partition wall
 $R_{w,P} = 39 \text{ dB to } 49 \text{ dB}$



Glass visions
frameless.

fecofix wood. fecostruct wood.



System walls with real wood surfaces offer a natural and high-quality design option for future-oriented office worlds

Wood-covered glass frames enable flexible and individual room concepts that create a pleasant working atmosphere. They fulfill the wishes of many designers for natural surfaces in innovative working environments.

The fecofix wood and fecostruct wood glass walls feature real oak surfaces in the inner frame of the space between the panes. With fecofix wood, the outer frame is powder-coated in black gray; with fecostruct wood, it is bonded either in aluminium color or black.



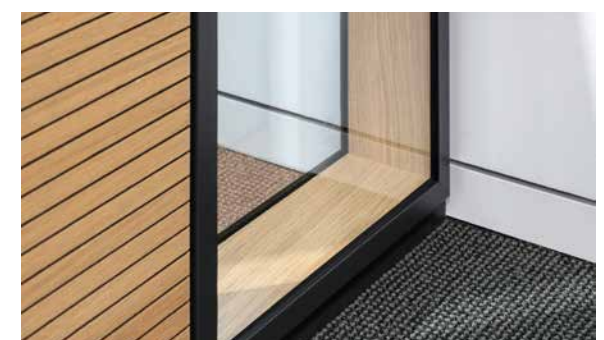
Product features

fecofix wood

- Wall-flush double-glazing
- Interior frame in real wood veneer, natural oak
- Outer frame with a mere 20 mm circumferential facing width, powder-coated in black gray
- Technical properties same as fecofix glazing

fecostruct wood

- Face-flush double-glazing
- Interior frame in real wood veneer, natural oak
- Structural-glazing construction with a mere 20 mm facing width, bonding surface optionally in aluminium color or black
- Technical properties same as fecostruct glazing



fecofix wood



fecostruct wood

Naturally with
real wood surfaces.

fecodoor. Step right in.



Door varieties for all requirements.

Whether as a wooden, glass or framed door, optionally flush on the room side or on the corridor side, feco always supplies the door element that matches the system wall.

Be it ceiling-high, door-high, with solid-wall upper panel or top glazing, with cross-upright or door side panel, with visible or concealed door-frame recess, in a variety of different finishes: feco offers many versions and design options. In this, the basic system details of feco door elements are almost identical throughout, thus enabling a multitude of door frame and door leaf combinations.



Product features

fecodoor wood

- Wood door elements H40, H70, H85 or H105
- Designs versions door-high, ceiling-high, or with frame-integrated door leaf top panel
- Surfaces in melamine resin direct-coating, laminates or real wood veneers
- Object-specific door fittings in aluminium or stainless steel
- Sound-insulation test values
 $R_{w,P} = 23 \text{ dB to } 42 \text{ dB}$

fecodoor glass

- Glass door elements G10, A40, A70, A85, S70, S85 or S105
- Glass sliding-door elements ST10 or ST10B
- Versions door-high or ceiling-high
- Surfaces available in anodized aluminium natural or powder-coated in a popular RAL color
- Object-specific door fittings in aluminium or stainless steel
- Sound-insulation test values
 $R_{w,P} = 17 \text{ dB to } 42 \text{ dB}$

fecodoor

- Door frames made of aluminium, steel or in wood-aluminium composite construction
- Frame depth 70 mm or 105 mm
- For face-flush door leaves on room side, corridor side or both sides
- Surfaces Aluminium natural anodized, powder-coated in popular RAL color or real wood veneer, natural oak
- 3D adjustable hinge pockets
- T70 optionally with frame-integrated door side-part TST70 as installation panel

The perfect fit
for every interior design.

fecodoor wood



Wooden door element H40
with aluminium frame T70



Wooden door element H40
with alum. frame T70 and
TST70



Wooden door element H70
with door frame T70 wood



Wooden door element H70 with alum. frame 18/0
in portal design



Wooden door element H105 with alum. frame 18/0Z
in portal design



Wooden door element H70
with alum. frame T70 and
TST70



Wooden door element H70
with aluminium frame
35/50/15



Wooden door element H70
with aluminium frame 18/0



Wooden door element H70
with door frame T70 wood
and side panel TST70 wood



Wooden door element H70
with aluminium frame 18/50



Wooden door element H70
with alum. frame 18/0 and
fecoir overflow element



Wood door element H85
with aluminium frame 18/0



Wooden door element H85
with aluminium frame 18/0

fecodoor glass



Glass door element G10 with aluminium frame T70



Glass door element G10 with alum. frame T70 and TST70



Glass door element G10 with aluminium frame T70



Structural-glazing door element S70 with aluminium frame T70



Structural glazing door element S70 with alum. frame T70



Aluminium frame/glass door element A70 with alum. frame 18/50



Glass door element, aluminium frame A85 with alum. frame 18/50



Aluminium frame/glass door element A85 with aluminium frame 18/50



Glass door element G10 with alum. frame T70, TST70, cross-upright and top glazing



Aluminium frame/glass door element A40 with aluminium frame T70



Aluminium frame/glass door element A40 with aluminium frame T70 and TST70 double



Aluminium frame/glass door element A70 in aluminium frame 18/50



Structural-glazing door element S105 in aluminium frame 18/50



Structural-glazing door element S105 in aluminium frame 18/50



Glass sliding-door element ST10B



Glass sliding-door element ST10B

fecoair. Air-passage elements.



Wall-integrated air-passage elements.

Due to use of component-activated concrete ceilings in sustainably designed office and administration buildings, a suspended ceiling is not available for conducting the ventilation. Here, wall-integrated overflow elements enable air exchange between the room and the corridor.

The overflow elements are manufactured building-specific in different widths and heights, and integrated into solid-wall elements with 105 mm wall thickness. Horizontal installation, for example in a solid-wall door top section, is equally possible.



Product features

- Element width 250, 300, 350 or 500 mm, Element height is building-specific; installation optionally vertical or horizontal in fecowall solid wall
- Surface as melamine resin direct-coating, optionally laminate or real wood veneers
- Front side slotted joints for air inlet and outlet with joint width 8-12 mm over effective length
- Air-passage element with meandering airflow and oppositely arranged air inlets and outlets
- Air flow rate depending on design and dimensioning approx. 75-100 m³/h per linear meter effective length at 10-20 Pa pressure loss
- Standard sound level difference
 $D_{n,e,w} = 43-50 \text{ dB}$
 Sound-insulation test value
 $R_{w,P} = 27-37 \text{ dB}$



Great **climate.**

Wall elements, product overview

Product	Detail	Description	Wall thickness	Panel/ Glass/ Door leaf thickness	Visible width vertical/ horizontal	Sound insulation test values $R_{w,P}$	Fire protection
fecowall		Solid wall	105 mm	2 x 19 mm	-	47-52 dB	F30 F90
fecowall		Solid wall in special thickness	125 mm 175 mm	2 x 19 mm	-	47-57 dB	F30
fecoorga		Wall organisation	105 mm	2 x 19 mm	-	45-52 dB	F30
fecophon		Acoustic solid wall	105 mm	2 x 19 mm	-	27-47 dB	-
fecoplan		All-glass construction	35 mm	10-18 mm	0/50 mm	35-42 dB	-
fecocent		Wall-centered glazing	105 mm	10-27 mm	25/25 mm	35-42 dB	F30
fecofix		Wall-flush glazing	105 mm	2 x 5-8 mm	20/20 mm	39-49 dB	F30
fecostruct		Face-flush glazing	105 mm	2 x 6-8 mm	20/20 mm	39-47 dB	-
fecodoor Wood		Woodendoors	105 mm	4-0 mm	18-50 mm	23-42 dB	T30
feco door Glass		Glassdoors	105 mm	10-105 mm	18-50 mm	23-42 dB	-

The feco partition wall system is constantly being further developed.
Ask us about the latest innovations.

Door elements, product overview

	Door frame	Alum. 35/50T70	Alum. 35/35	Alum. 35/50	Alum. 35/50/15	Alum. 18/50	Alum. 18/0	Alum. 18/0-50Z
Door leaf	$R_{w,P}$							
Wood H40		23 dB 32 dB 37 dB	23 dB 32 dB 37 dB	23 dB 32 dB 37 dB	-	-	-	-
Wood H70		37 dB 40 dB	37 dB 40 dB	37 dB 40 dB	42 dB	37 dB 40 dB	37 dB 40 dB	-
Wood H85		-	-	-	-	42 dB	42 dB	-
Wood H105		-	-	-	-	-	-	37 dB 42 dB
Glass G10		23 dB 32 dB	23 dB 32 dB	23 dB 32 dB	-	23 dB 32 dB	23 dB 32 dB	-
Glass A40		32 dB 37 dB	32 dB 37 dB	32 dB 37 dB	-	-	-	-
Glass A70		37 dB 40 dB	37 dB 40 dB	37 dB 40 dB	42 dB	37 dB 40 dB	37 dB 40 dB	-
Glass A85		-	-	-	-	42 dB	42 dB	-
Glass S70		37 dB	37 dB	37 dB	-	37 dB	37 dB	-
Glass S85						42 dB	42 dB	
Glass S105		-	-	-	-	-	-	37 dB 42 dB

Combination possibilities of door leaves and door frames. All values are sound-insulation test values $R_{w,P}$; bold = popular combinations
 $R_{w,P}$ = 32 dB sound insulation class 1, $R_{w,P}$ = 37 dB sound insulation class 2, $R_{w,P}$ = 42 dB sound insulation class 3

feco.de/en/**Projects**

Let feco projects inspire you.
Discover the potential of partition wall systems,
system-compatible doors and acoustic elements from feco.



Fraunhofer IAO, Stuttgart



General Atlantic, München



Jewish Museum, Frankfurt am Main



Disy Informationssysteme, Karlsruhe



Fiducia & GAD IT AG, Karlsruhe



S+W BüroRaumKultur, München



AOK Hochrhein-Bodensee, Waldshut



VR-Bank Ostalb, Aalen



Microsoft Headquarter Schweiz, Zürich



Deutsche Börse AG, Eschborn



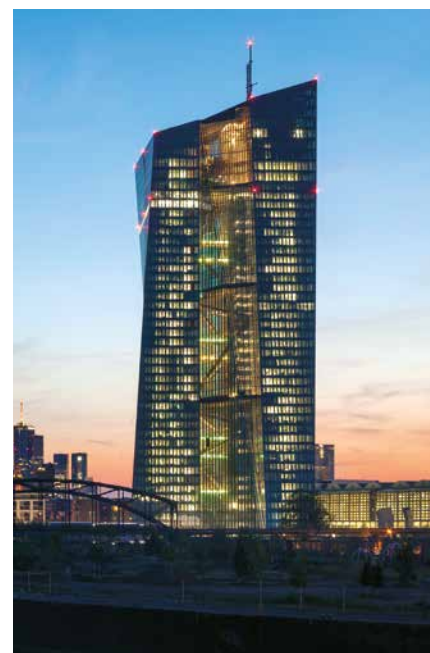
Testo SE & Co. KGaA, Titisee-Neustadt



dm-dialogicum, Karlsruhe



Karlsruhe City Tax Office



European Central Bank (ECB),
Frankfurt



Merck Innovation Center, Darmstadt



FC-Campus, Karlsruhe



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and Engineering Complex, Boston



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Municipal Association of
Baden-Württemberg (KVBW), Karlsruhe



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130 Years
a Family Business.

40 Years of
feco. The System Wall.

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