

Architecture at the threshold

Inspiration
Outside
Inside
Background

The Siedle design
guidelines

1. Work in an integrated fashion
2. Design a piece of Siedle
3. Be true
4. Think of afterwards beforehand
5. Make complex things simple
6. Love the detail
7. Design globally
8. Design something that stays
9. Enable individuality
10. Never lose heart



Gabriele Siedle
Managing Director

Everything is connected.

A trivial realisation? Yes. And no.

Although digital networking is everywhere, a crucial question has not yet been answered: with whom do we actually want to connect? And why?

Editorial

Inside and outside, private and public – as the guardian of the threshold, Siedle has always connected many of the different spheres through which we walk during our everyday lives. Previously, a simple cable between the door and indoor station was sufficient for this connection; today digital and wireless technologies deliver an unforeseen improvement in comfort and individual design opportunities:

Apps which receive the door call with live images on a smart watch (Page 116); intelligent letterboxes which signal that mail has arrived (Page 76); delivery boxes which accept parcels and can be opened by the courier using his fingerprint if the recipient is not at home (Page 79).

Products which a few years ago were science fiction are now reality. Yet it is not just our products which can be networked intelligently. We as a company have opened up over the last few years and have been looking for new partnerships.

This is how the detailed refinement which sets apart our new Siedle Basic product line was developed in collaboration with Cologne designer Eric Degenhardt (Page 94). Architect Arno Brandhuber took us to the limits of what is possible with the door station for his anti-villa (Page 136). And our joint venture with switch expert Jung has also resulted in a synergy which is unique in the industry (Page 124).

So against this backdrop it is really not a trivial realisation that everything is connected. Instead, this is a way to describe the extremely multi-faceted structure in which we currently live – and in which lots of tiny details time and again join together to form a new whole.

Gabriele Siedle

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So intuitive, so versatile
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Outside

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The epitome of modular
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signage system



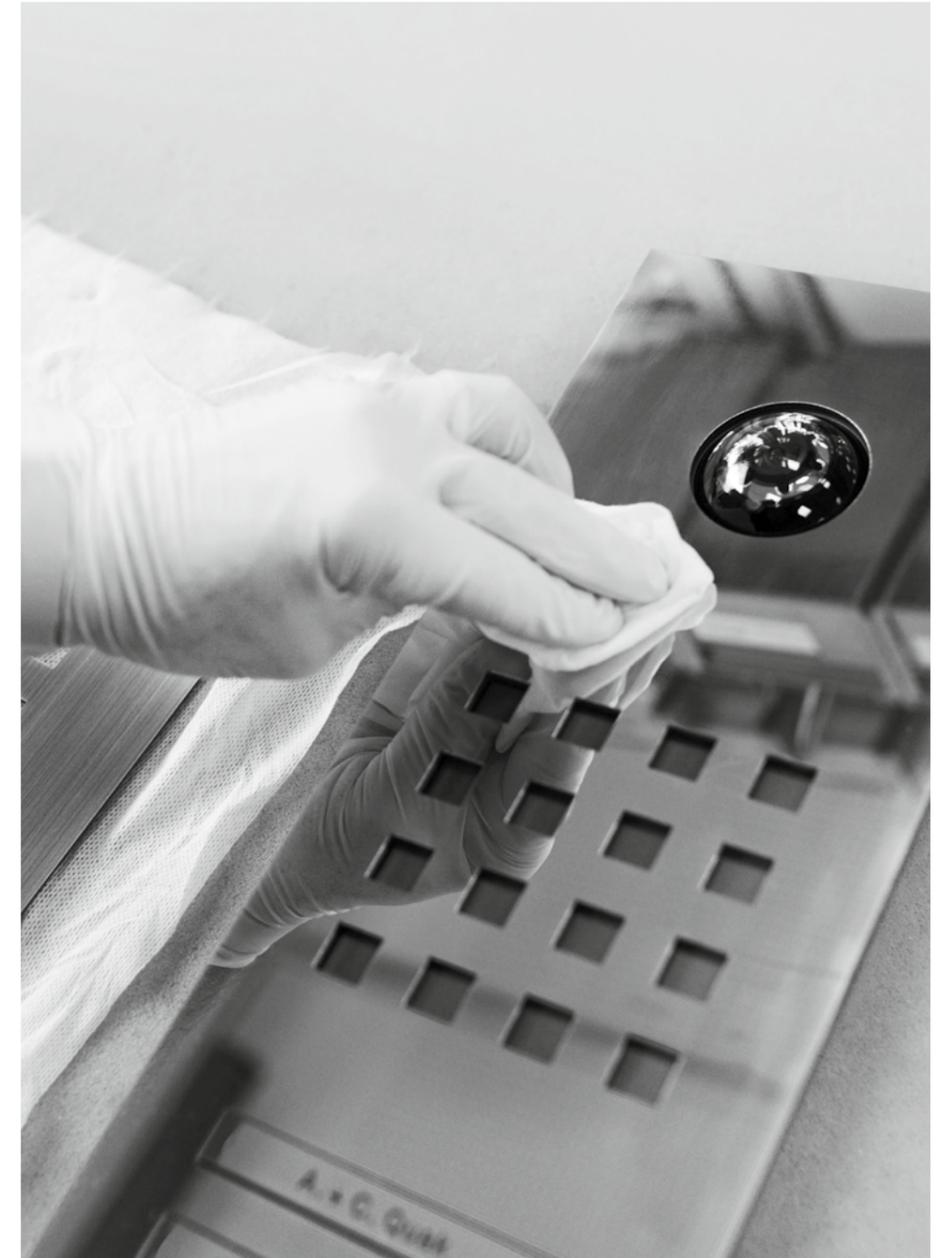
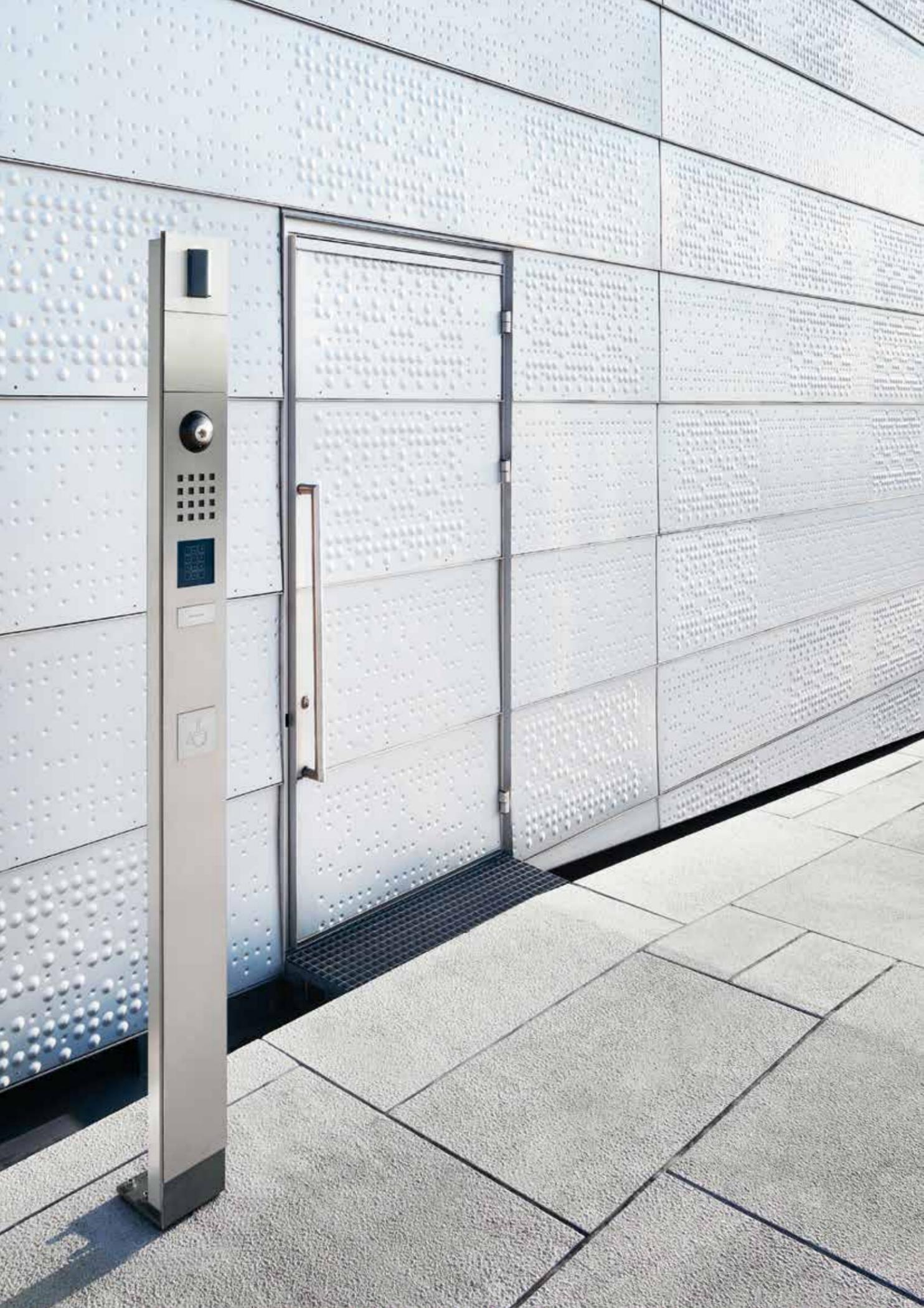
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Building communication of the future

The Brandhorst Museum, Munich
Architecture: Sauerbruch Hutton, Berlin

Siedle Steel





Modern Manufacture
Page 64

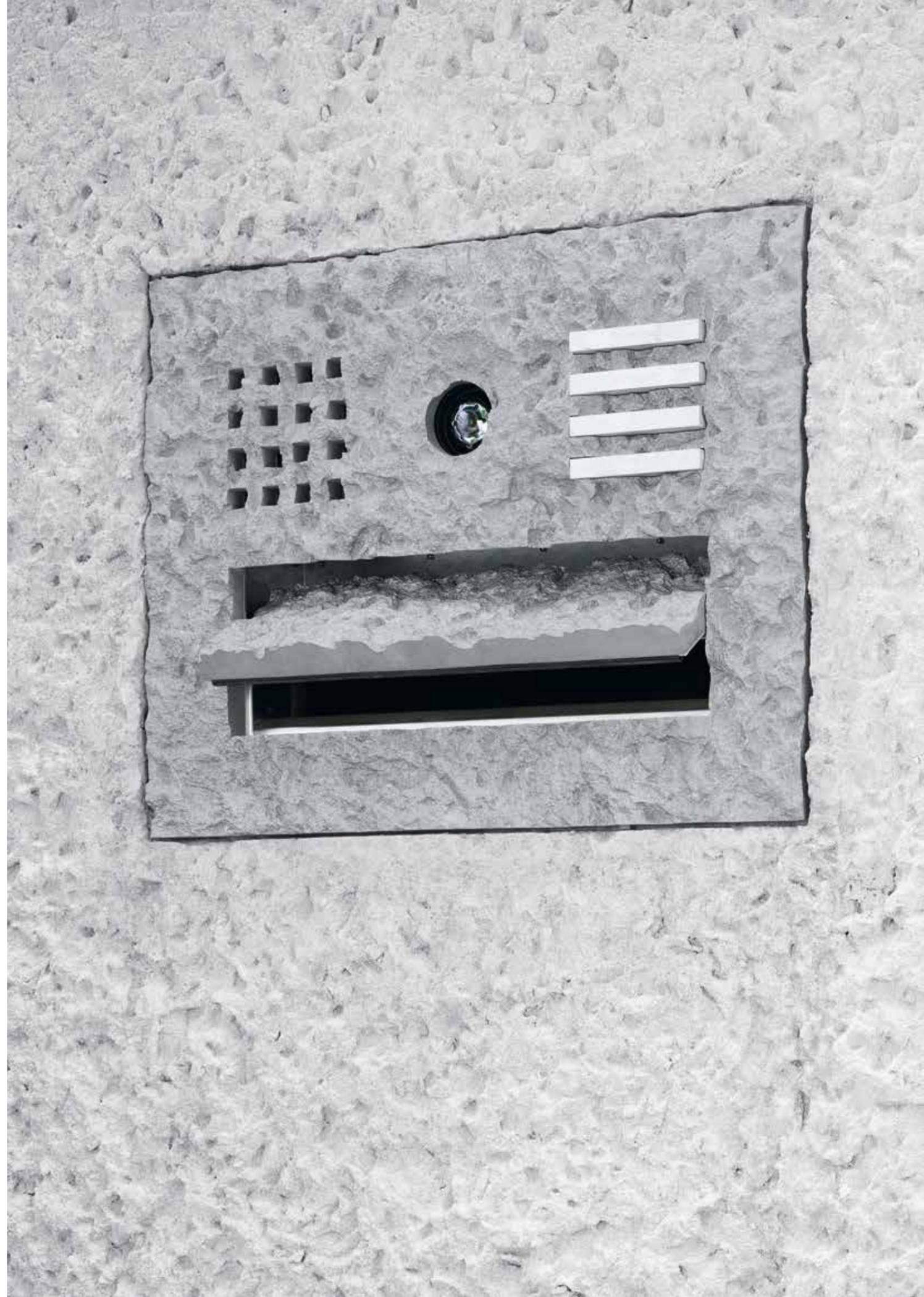
Oslo Opera House
Architecture: Snøhetta, Oslo

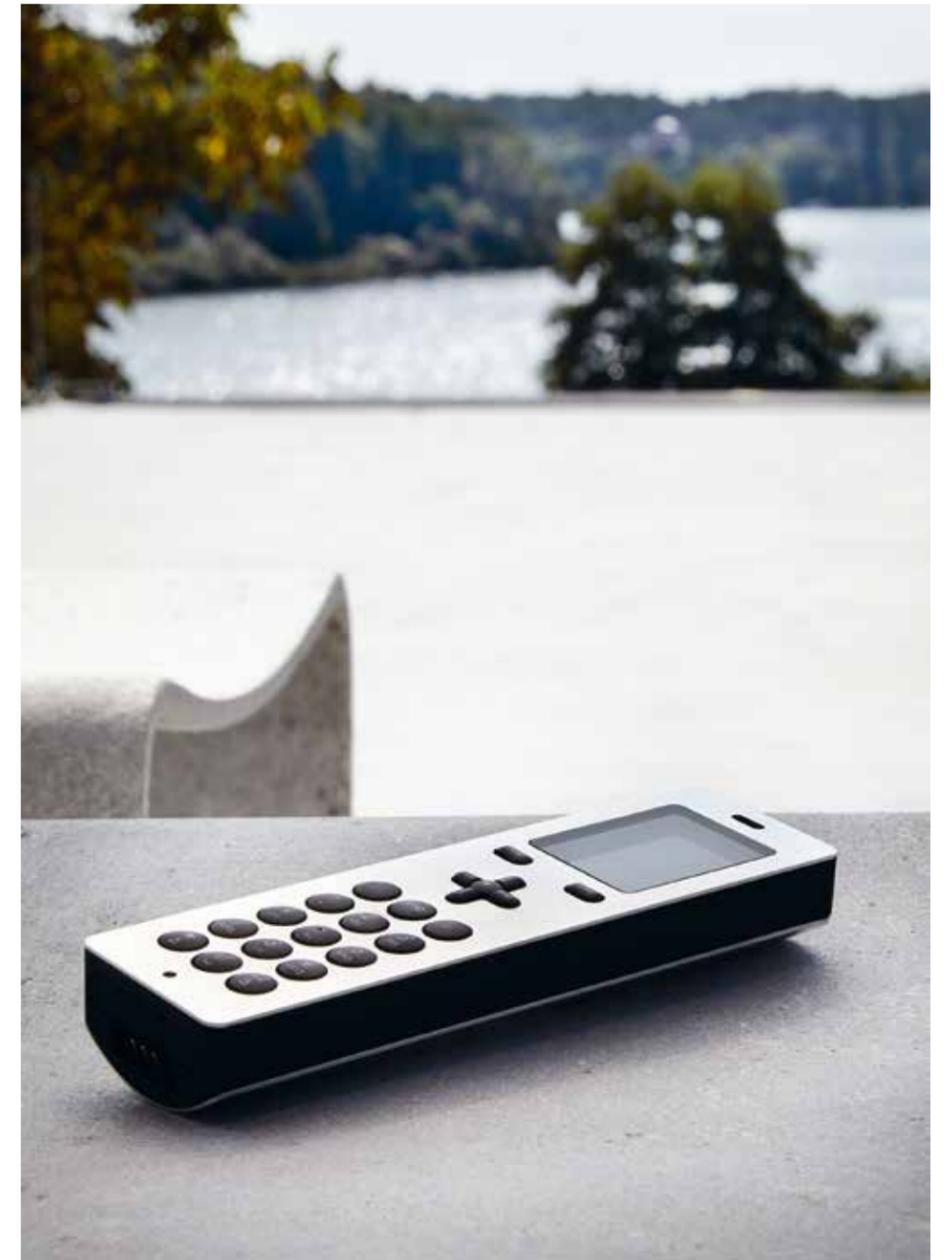
Siedle Steel



Arno Brandhuber and
Timo Klöppel

Anti-villa, Krampnitz
Architecture: brandhuber+, Berlin

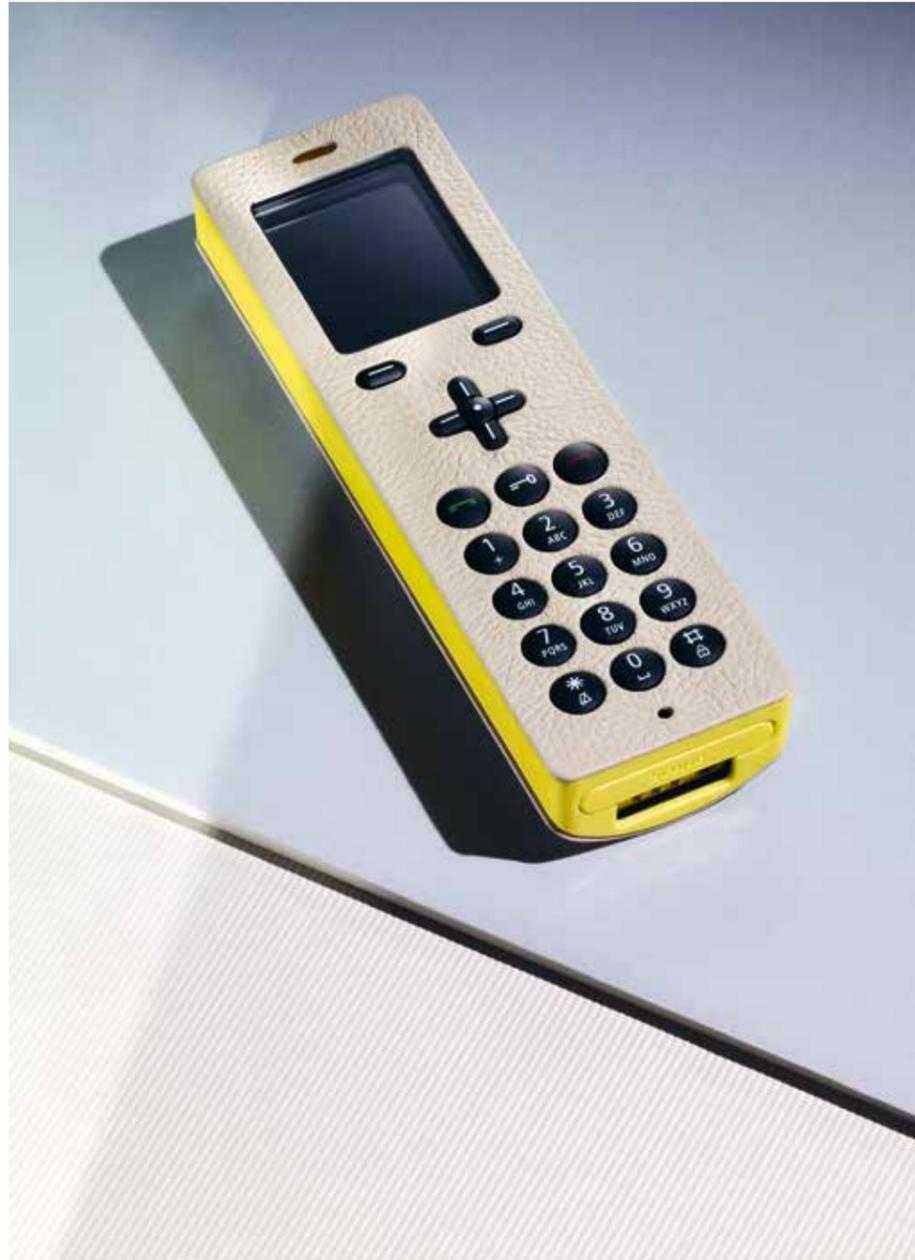




Siedle Scope
Page 112

Stadtbibliothek Stuttgart
Architecture: Eun Young Yi, Yi Architects,
Cologne/Seoul

Siedle Steel



Manufactured finishes
Page 108

Siedle Vario
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Siedle Vario
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IFM Medienanalysen, Karlsruhe
Architecture: Antje M. Abel, Karlsruhe

Siedle Vario



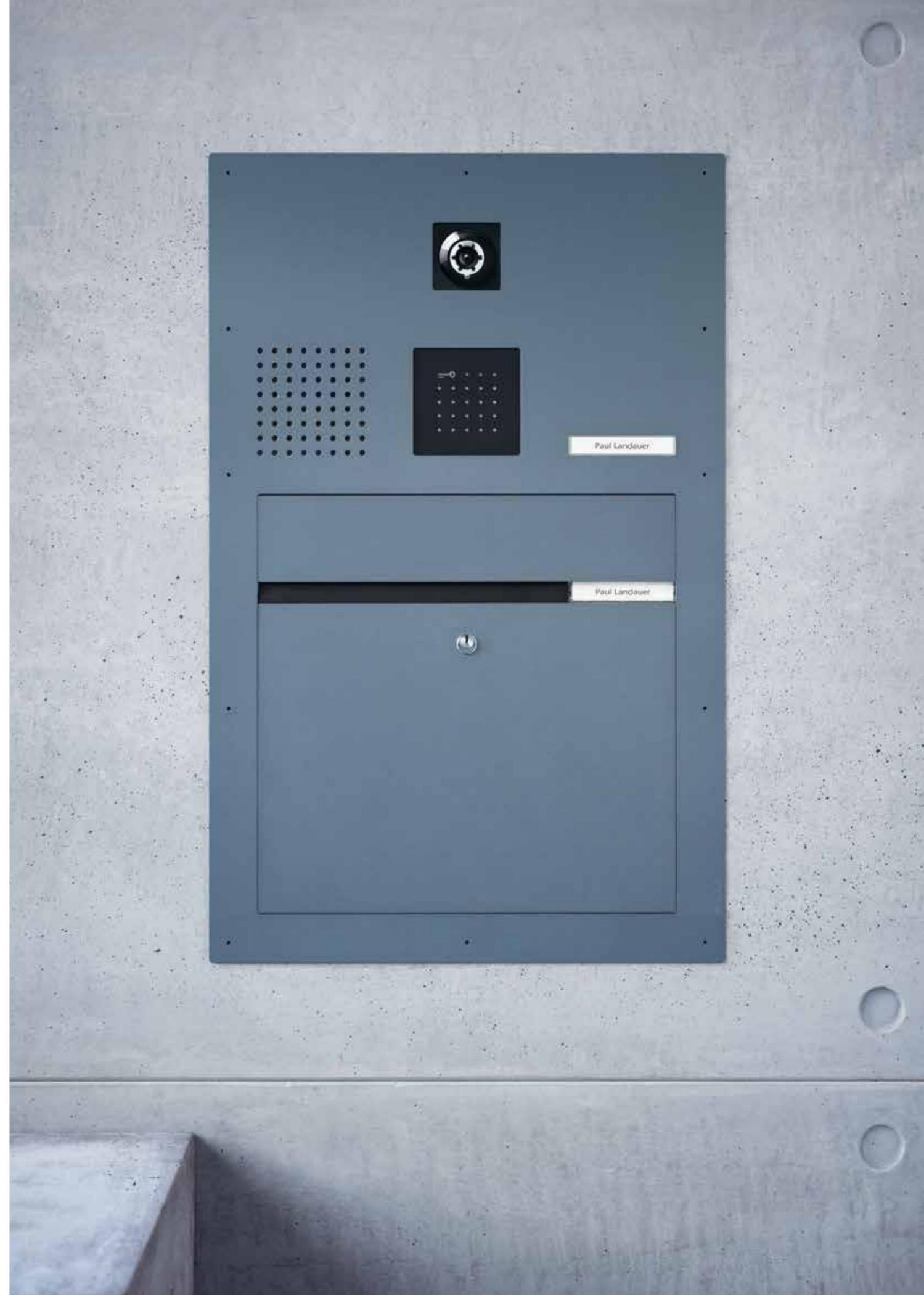
Video panel
Page 104

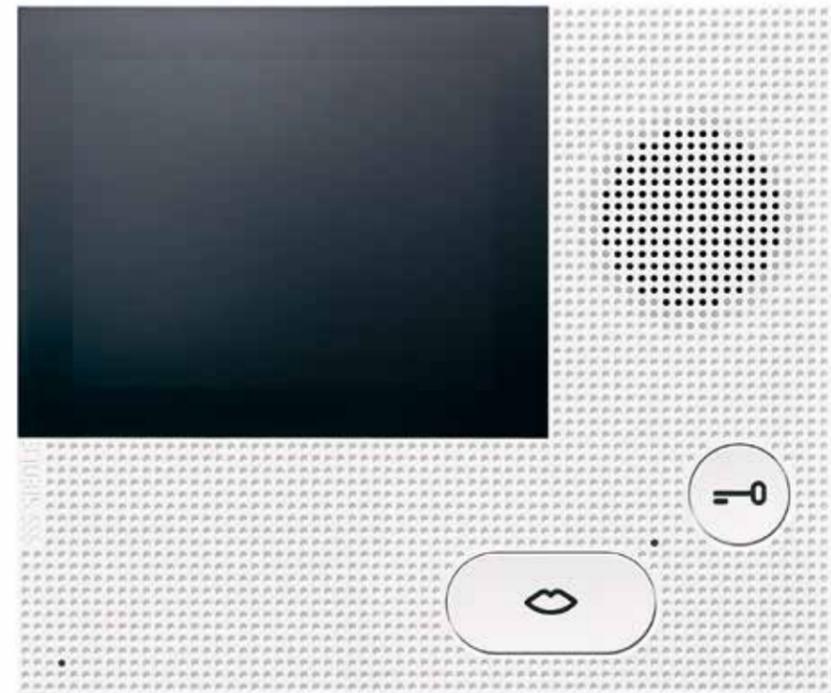




Video surveillance
Page 72

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Siedle Basic
Page 94

Siedle Classic
Page 44



"The visitor speaks to the building, he
in turn hears it and is seen by it,
and he touches it in order to make contact."
Gabriele Siedle

Perfect functionality and top quality are features they have in common. And yet each of our design lines has its very own character.



Siedle Vario



Siedle Classic



Siedle Steel

Outside

- 32 **Siedle Vario**
- 44 **Siedle Classic**
- 54 **Siedle Steel**

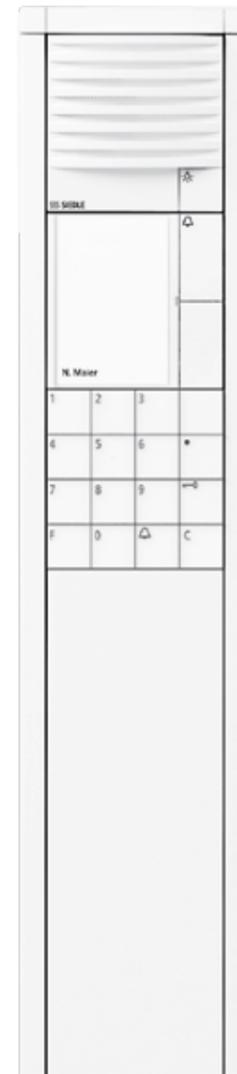
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Siedle Vario covers just about every conceivable requirement when it comes to entranceway communication. In the wall, on the wall or free-standing, four standard colours and an unlimited choice of non-standard shades, with letterbox, lighting, video monitoring or access control: Siedle Vario integrates whatever functions are possible in the entrance area within a single standardized framework.

Siedle Vario

The Vario principle is as ingenious as it is simple: it is based on functional modules and a design grid. Within the grid, the modules can be arranged in any combination. The result is always a neatly arranged, aesthetically pleasing communication system.



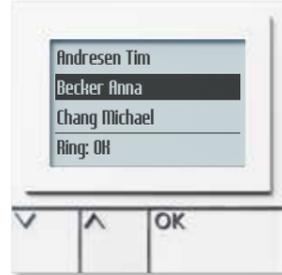
Functions



Door loudspeaker



Call buttons



Call display



Information



Motion sensors/Photoelectric lighting controller



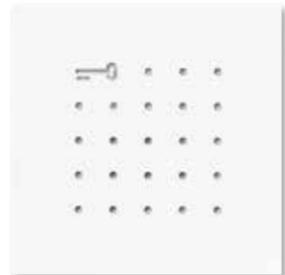
Camera 130/Camera 180



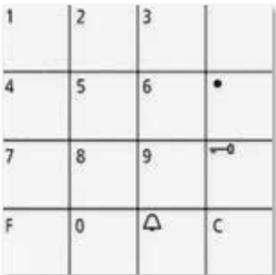
Camera 80



Socket



Electronic key reader



Code lock



Fingerprint detection



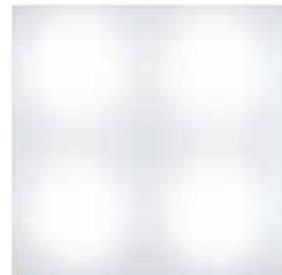
Card reader



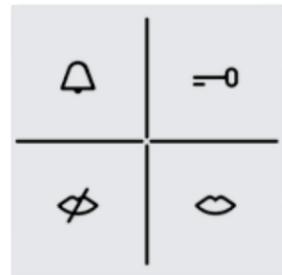
Key-operated switch



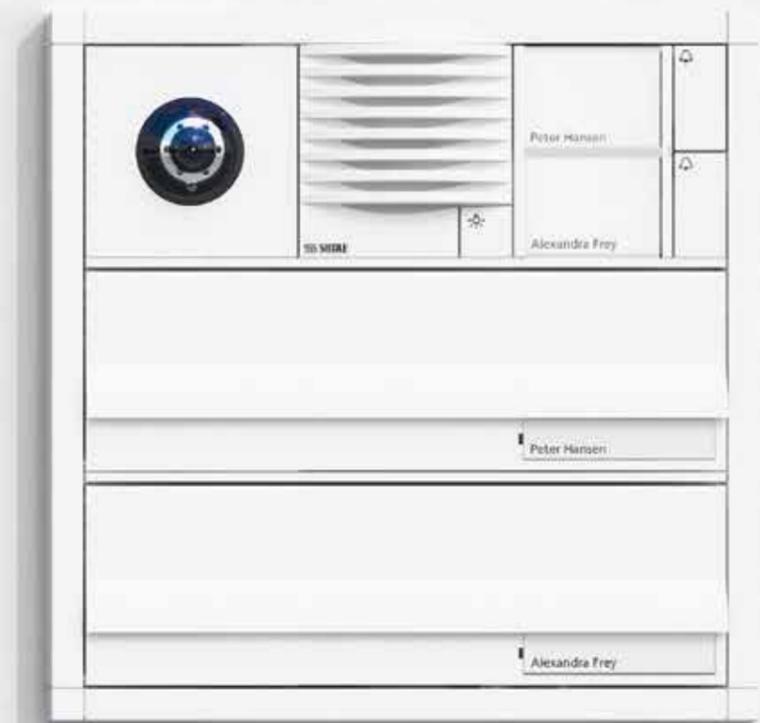
LED spotlight



LED light module



Status indicator



Installation methods



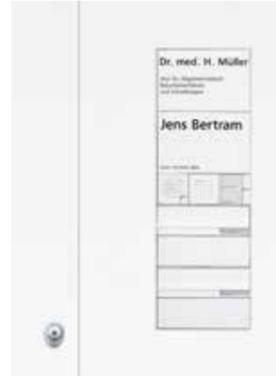
Concealed mounting

Concealed mounting is the most elegant way to place Siedle Vario at your entrance. With a housing height of just 15 mm, the system is particularly slim and forward projections only occur where the operation of the system demands it – for example for a video camera or an LED spotlight.



Surface mounting

Surface mounting makes it easy to install all components on the wall surface – ideal for renovation and modernization projects, or for base materials which are difficult to work with, such as marble. In this way, elegant lighting can be created when used with our square LED light modules (Page 82), complementing the classic door station perfectly.



Door panel mounting

If the entrance communication system is to be installed in a door element, door panel mounting forms the basis for a bespoke solution. It is available flush with the surrounding door panel and in various widths.



Free-standing

The communication pedestal draws together all of the Vario's functions in the ergonomically correct position. It is available in three designs: the slim-line pedestal with its particularly modest installation depth can be fitted up close to facades, in corners or even inside the building; while two more robust variants can hold letterboxes and information plates as well.

Depending on the architectural situation and the desired range of functions, Siedle Vario can be installed in four different ways. Surface mounting and the free-standing communication pedestal play an ever increasing role in energy-efficient buildings and monument conservation. Both types of installation require no intervention in the shell of the building.



Colours



Silver metallic
RAL 9006



White
RAL 9016



Individual finish
for example RAL 3000 (flame red)



Anthracite grey
RAL 7016



Micaceous dark grey
DB 703



Individual finish
for example micaceous amber

The Vario system is available as standard in white, silver metallic, anthracite and micaceous dark grey. Along with these four series colour finishes, we also supply Siedle Vario painted in any colour desired from the RAL colour range or in a bespoke colour sample.



Examples of configuration

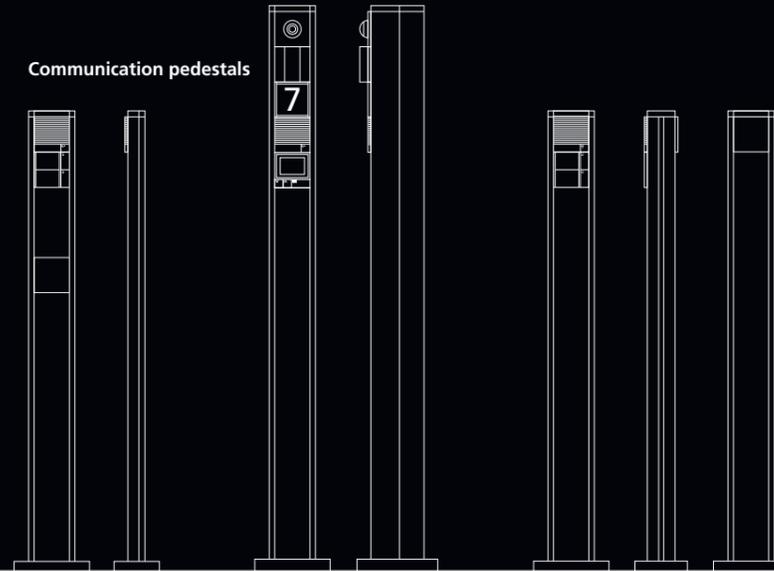
Door stations



Door stations with letterbox



Communication pedestals



2000 mm

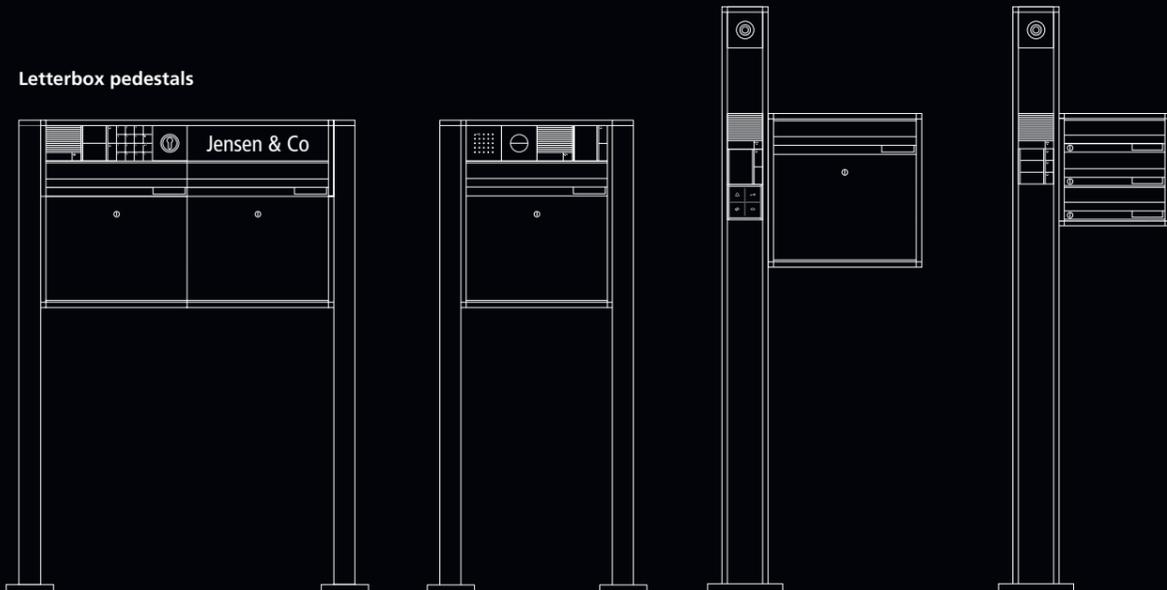
1500 mm

1000 mm

500 mm

→ Find out more about what is possible:
siedle.com/configurator

Letterbox pedestals



2000 mm

1500 mm

1000 mm

500 mm

Light pedestals



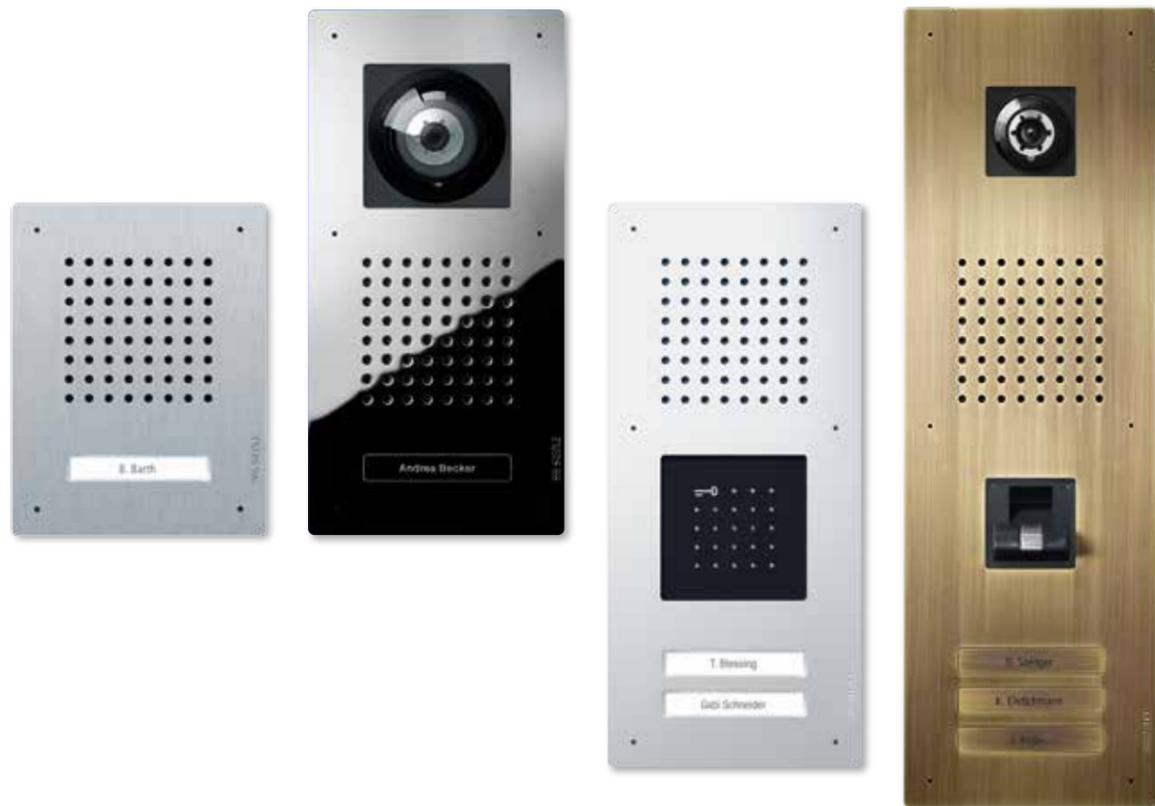
Light → Page 82



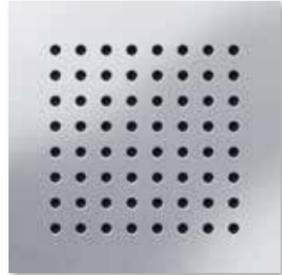
Siedle Classic is the contemporary interpretation of the classic door station. Like its predecessor Siedle Portavox, the very first door station, the basic design of the modular system consists of a metal front panel with buttons and a loudspeaker grill. In terms of its design, function, material and workmanship, Classic brings you the very latest and best that modern engineering can offer.

Siedle Classic

Its concentration on the essentials makes Siedle Classic the ideal choice for those who attach importance to the solidity and intrinsic value of solid metal, but who do not require the vast design freedom afforded by Siedle Steel.



Functions



Door loudspeaker



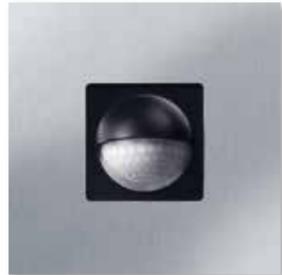
Call buttons



Call display



Information



Motion sensors/
Photoelectric sensors



Camera 130/Camera 180



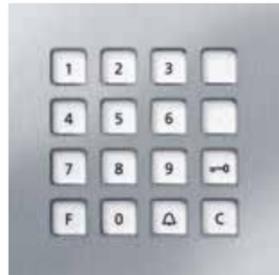
Flush-mounted colour camera



Camera 80



Electronic key reader



Code lock



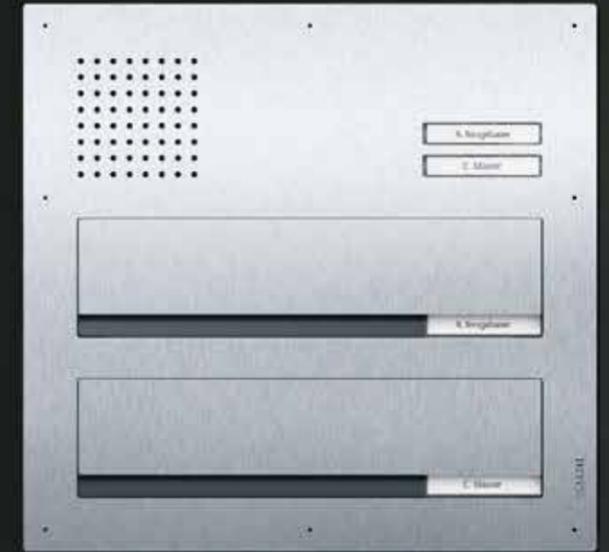
Fingerprint detection



Key-operated switch



Status indicator



Materials and colours



Brushed stainless steel



Burnished brass



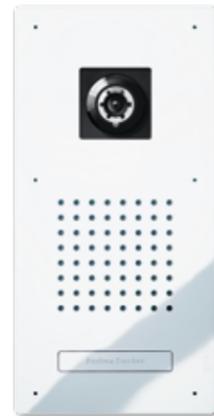
Brass look



Chrome



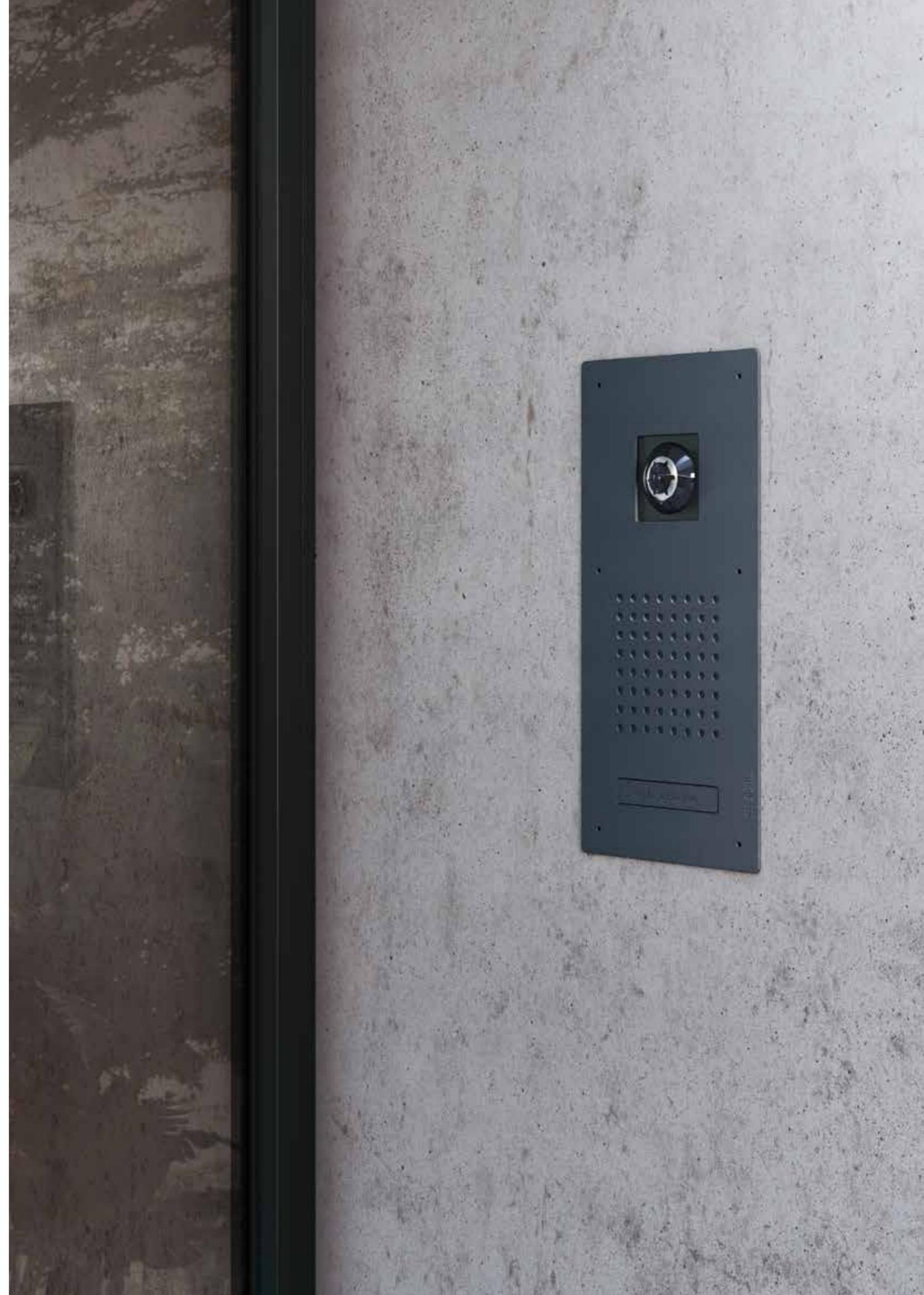
Anodized aluminium



Stainless steel with a paint-work finish

All Classic door stations have a solid front panel which is two millimetres thick. On the standard version, this panel is made of corrosion-resistant V4A stainless steel with natural finish or brushed. Other materials include anodized aluminium, burnished brass and coatings with a brass look or in chrome.

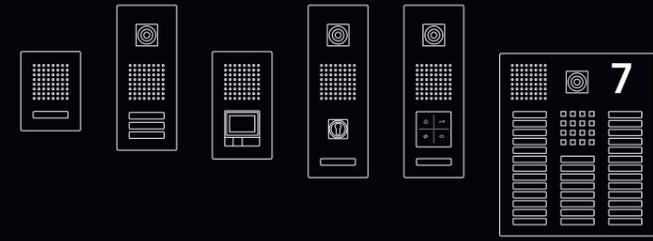
A paintwork finish in any RAL, metallic or micaceous iron ore colour desired rounds off the design range. In addition, systems made of aluminium are available with a particularly robust, stain-resistant Duraflon coating.





Examples of configuration

Door stations



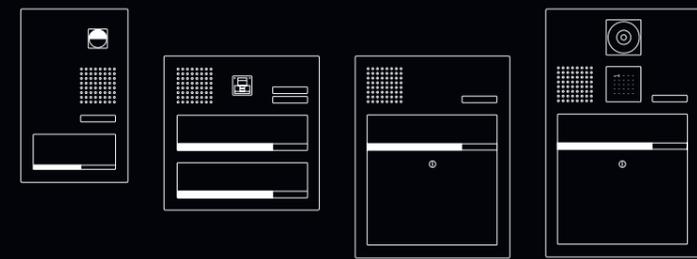
2000 mm

1500 mm

1000 mm

500 mm

Door stations with letterbox



2000 mm

1500 mm

1000 mm

500 mm

→ Find out more about what is possible:
siedle.com/configurator



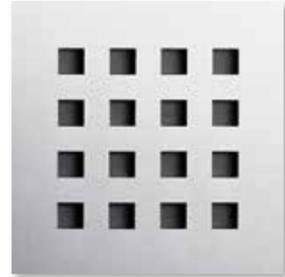
The Siedle Steel communication system was developed in order to put wishes, plans and ideas into effect. It creates individual items with the quality and precision of industrial manufacturing. This sets it apart from bespoke craftsmanship which cannot match the material or workmanship quality of industrial production.

Siedle Steel

Siedle Steel does not prescribe any specific design, but rather a blueprint for individual configuration: a range of function modules, a clearly defined Steel look and a 14 millimetre grid. The final configuration is determined by the user.



Functions



Door loudspeaker



Buttons



Large-format button



Call display



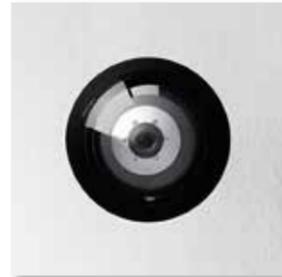
Information



Motion sensors/Photoelectric lighting controller



Camera 130/Camera 180



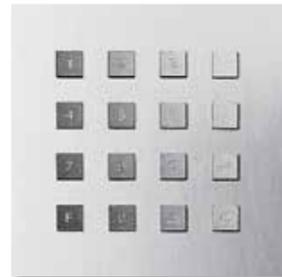
Camera 80



Flush-mounted camera



Electronic key reader



Code lock



Fingerprint detection



Card reader



Key-operated switch



LED spotlight



Status indicator



Materials and colours



Burnished brass



Aluminium



Chrome



**Stainless steel
with a paint-work finish**



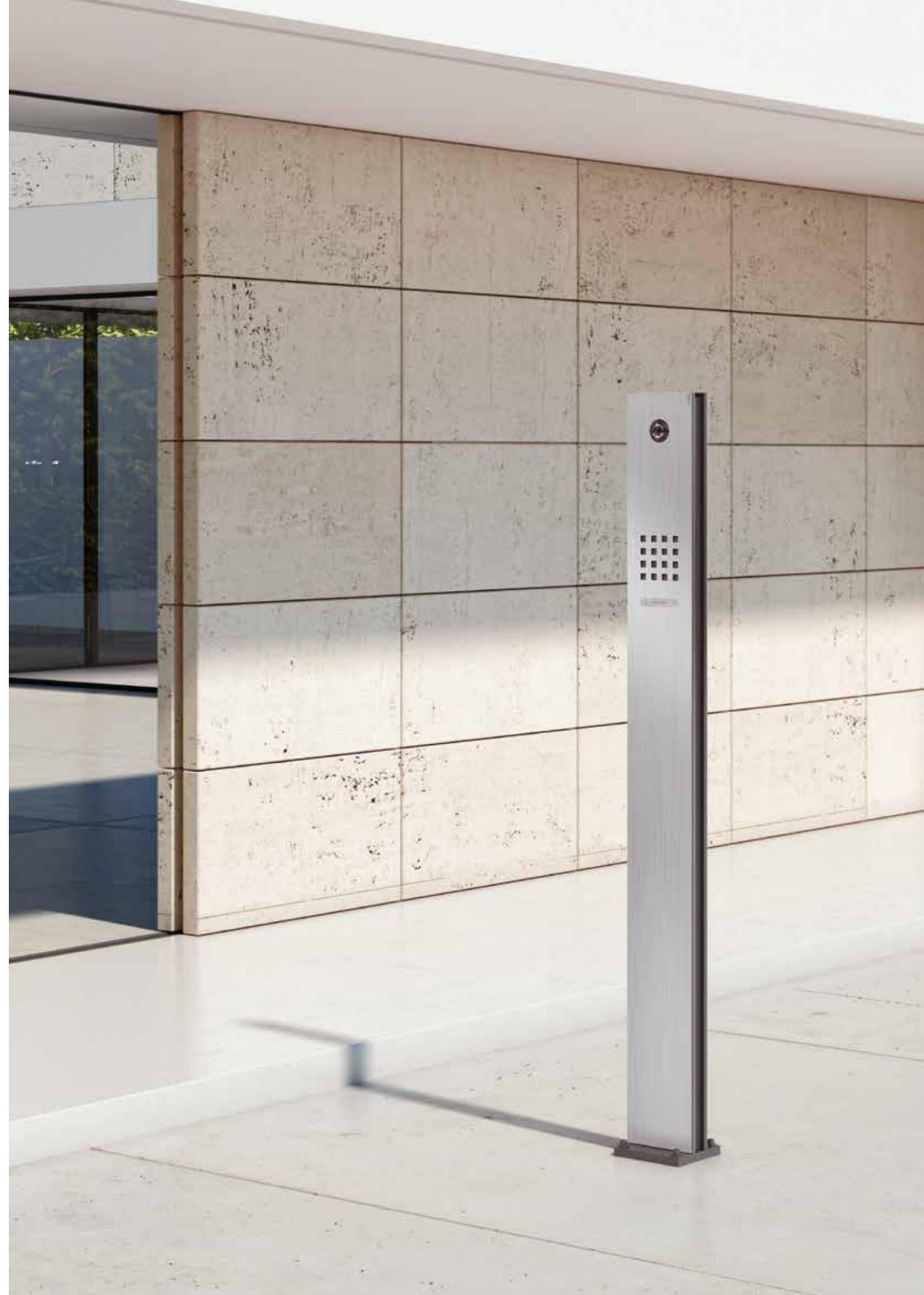
Brass look



Brushed stainless steel
Mounting level in bespoke colour

Completely smooth and without visible evidence of fixtures, the solid front panels highlight the character of the specific material. There is a choice of six materials and surface finishes available. The range of designs is increased even further by the twin-level construction.

The mounting level with the functional elements is visible at the edges and through the precisely laser-worked cut-outs in the front panel. The colour, structure and surface finishes of the mounting and control levels can be the same, complement or contrast one another.



Lettering



Individual colour

The systems shown have identical functions. Their different appearance results purely from the use of colour.



01 Laser cutting technology

The numbers or letters are cut out of the control level with a laser exposing the mounting level beneath. Not suitable for changing texts.

02 Engraving

The lettering is milled into the surface with a tool over the full area or in the form of a contour. For full area engraving, machining marks are visible in the form of lines. Subsequent changes are not possible.

03 Screenprinting

The text colour is applied straight to the surface. The print is extremely durable and weather-resistant. It cannot be removed from the surface without causing damage. This process is therefore not suitable for changing texts.

04 Laser lettering

Standard lettering for call buttons, storey and building signs. It changes the material permanently meaning subsequent changes are not possible.

05 Foil lettering

Foil lettering is simple, low cost and UV-resistant. Ideal for changing texts since the foil can be removed from the surface without damaging it. For font sizes from 10 mm.

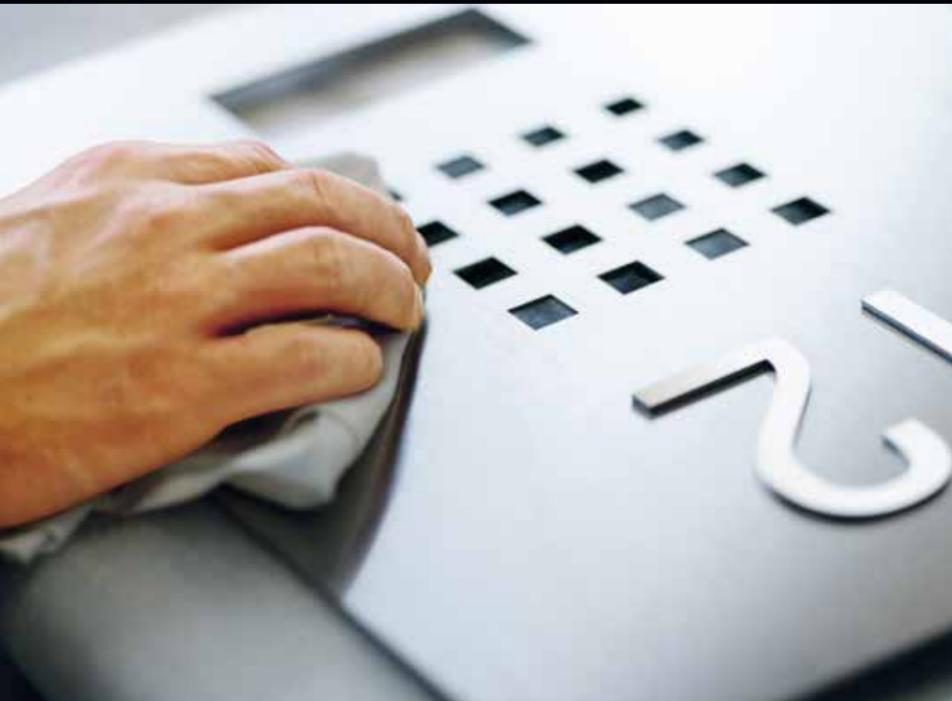
06 Printed foil

The weather-resistant foil is printed and applied to the surface. The background becomes visible through unprinted text areas. This method is highly variable and photographs or any motifs can be used. Can be replaced with very little work.

With its generous, flat surfaces, Siedle Steel is predestined for use as a conveyor of information. The system offers various lettering options and light functions that can be combined as desired.



There is a great deal of high-tech used, yet there is no other Siedle product in which the human hand is as much in evidence as in Siedle Steel. Its extreme product differentiation would otherwise not be achievable.



Modern Manufacture

A specific kind of calm prevails in this part of the production hall. If the atmosphere here were to be described in a single word, then "care" would be a good choice. In Modern Manufacture, work is undertaken with great care. Although this might sound self-evident or old-fashioned, it is actually highly efficient – and unique in the sector. The combination of industrial processing quality and individual craftsmanship makes it possible to achieve a degree of product differentiation without equal. The system created under such extraordinary conditions is called Siedle Steel. It is the high-end flagship product of our company.

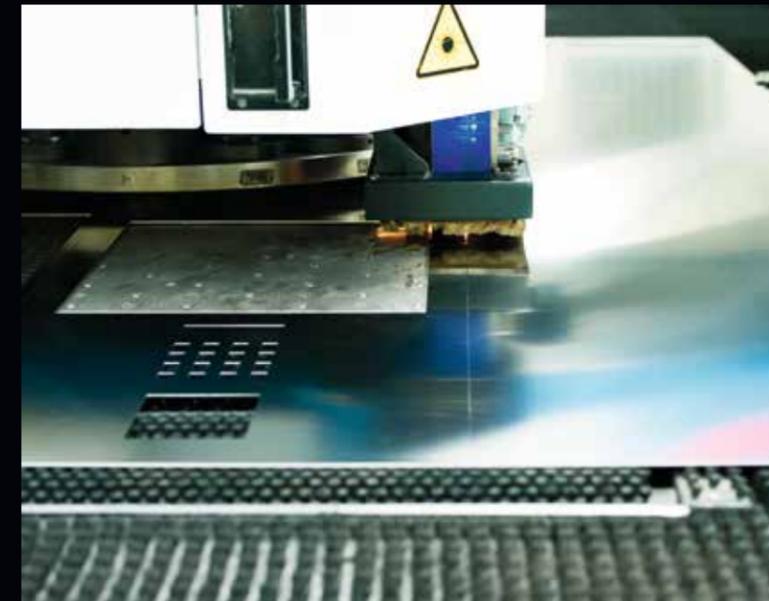
"Siedle Steel is our answer to the increasingly expressed wish of architects and developers to have an influence on the design of their communication system," says Daniel Rauer,

Head of Design at Siedle. "What is otherwise only possible by means of individually designed solutions by craftsmen, we manage to the degree of precision of an industrial production system."

Of course, Modern Manufacture also makes use of machinery and automated systems. For example, a high-power laser, which is controlled directly from the CAD program, cuts the metal plates. However there is no other Siedle product in which the human hand is as much in evidence as in Siedle Steel. The fact is that perfection is not only the result of highly-developed technology. What makes Modern Manufacture stand out is the degree of motivation resulting from an entirely human characteristic: pride in one's work.



An engraved button is coloured.



A high-power laser, which is controlled directly from the CAD program, cuts the plates.

Installation methods



Concealed mounting

The two-piece design provides an extremely slim finish. The two millimetre solid front panel only projects six millimetres from the wall. Its fastenings are concealed and can only be accessed using a special tool.



Flush-mounted installation

Flush-mounted installation allows architects and building owners to integrate the door communication system completely into the facade. The mounting level is buried so deep that the operating level ends up exactly flush with the surrounding surface.



Glass mounting

The glass mounting does not require a frame. The letterbox and communication technology are integrated into the glass facade without any additional fastenings – either in a recess in the glass provided for the purpose or as a panel between two glass elements.



Door panel mounting

When integrated into a door side panel, Siedle Steel shows off its features perfectly. Its generous surface area becomes a design element which dominates the entire entrance area.



Surface mounting

The surface mounting allows the system to be installed particularly easily and flexibly which makes it the perfect option for listed buildings and for energy-saving renovations.



Free-standing

The communication pedestal sets its own agenda. Requiring no intervention in the facade or door, it stands wherever is best. It uses its own format for this, and not just in aesthetic terms since all its functions are in the correct ergonomic positions and just where they are needed – at both the front and the rear.

Siedle Steel can be installed in six different ways – two of which, namely flush-mounted installation and frameless glass mounting, are not possible in this form with any other communication system.



Examples of configuration

Door stations



Door stations with letterbox



Communication pedestals



2000 mm

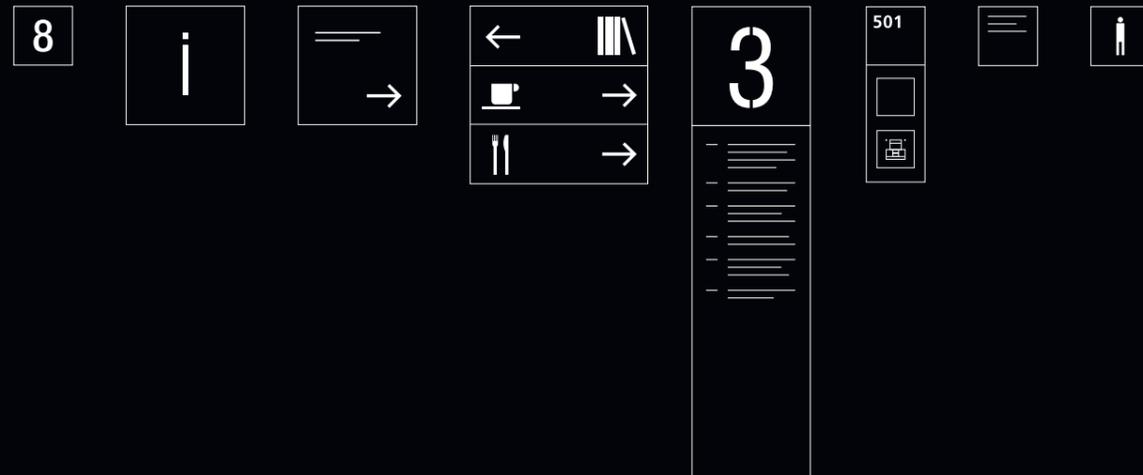
1500 mm

1000 mm

500 mm

→ Find out more about what is possible:
siedle.com/configurator

Communication and signage system



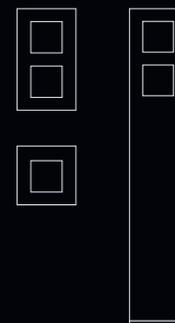
2000 mm

1500 mm

1000 mm

500 mm

Light pedestals



Communication and signage system → Page 86

Light → Page 82

The threshold is much more than just a front door. It can start at the entrance to the property and extend into the interior of the building. There are very different requirements and possible designs between these points.



Siedle Vario



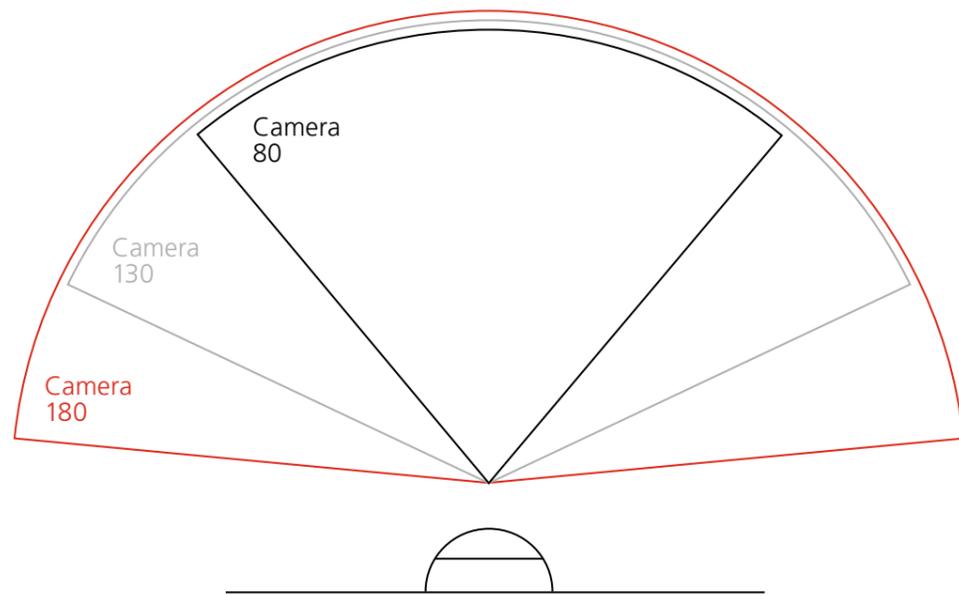
Siedle Classic



Siedle Steel

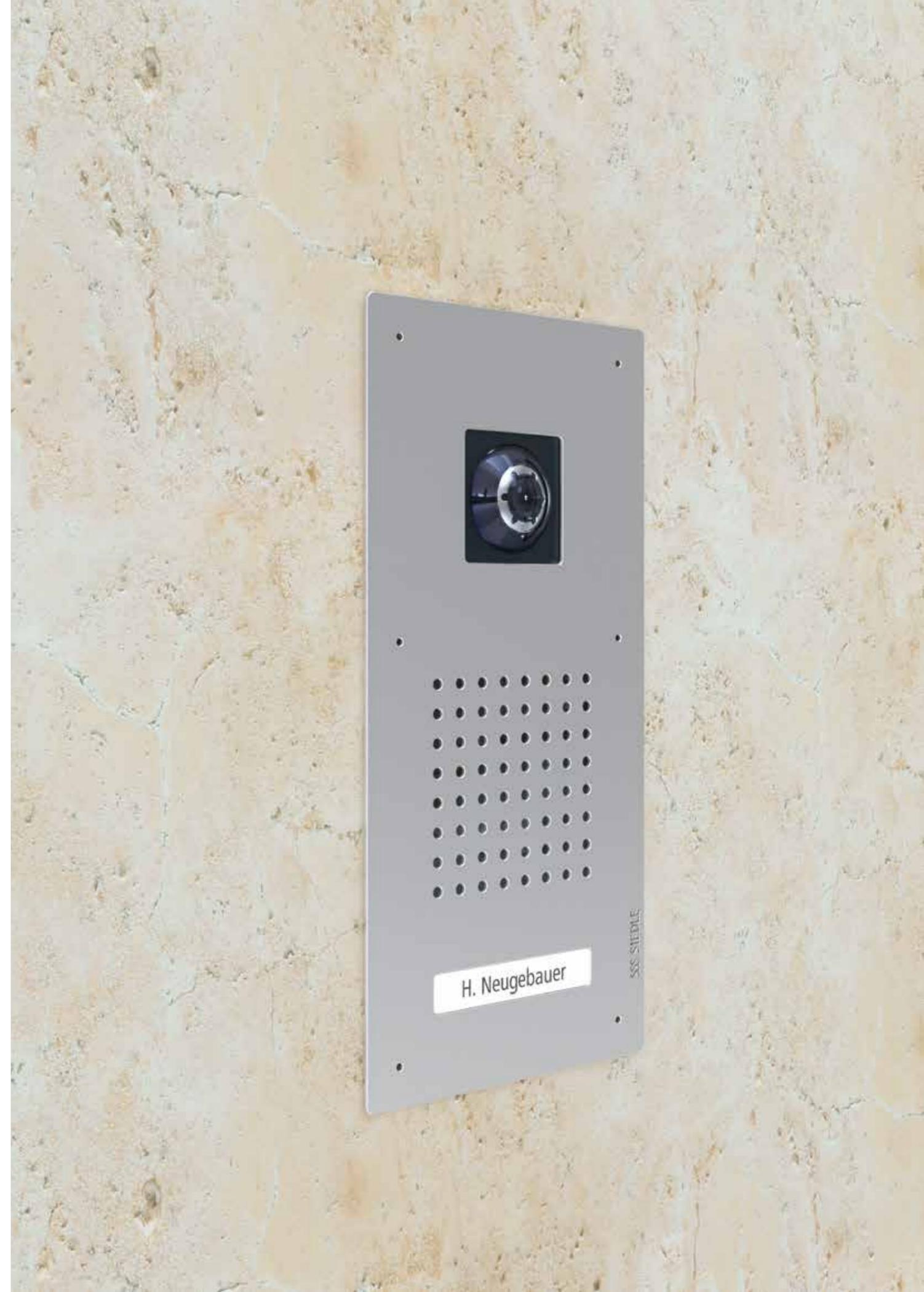
Functions

Video surveillance



Hearing is good. Seeing is safer. Better than asking "Who is it?" is the certainty of seeing with your own eyes. Unlike a conventional intercom, video surveillance provides a significant increase in security and comfort. Better still if it can be as flexibly integrated and designed as with the Siedle systems. Four camera models are available for the Classic, Vario and Steel systems: the classic Siedle camera with its large, striking dome and two

more discreet models with extended viewing angles. If the video monitoring needs to be integrated with total discretion, then the flush-mounted camera from the Siedle Steel and Siedle Classic design lines is the ideal choice. It is integrated into the system without any protrusion and remains almost invisible behind black acrylic glass.





Field of vision of the camera 180



Field of vision of the camera 130



Field of vision of the camera 80

Siedle cameras

The camera 80 is suitable for installations in which the camera can be ideally positioned and aligned. Its viewing direction can also be adjusted mechanically. The camera 130 already monitors such a large area that mechanical adjustment is not required. Finally, the field of vision of the camera 180 runs practically from wall to wall. Nothing and no one remains undetected; even children or wheelchair users are reliably picked up by the camera. The entire area in front of and next to the entrance can be screened, even from awkward viewing positions. The field of vision can be optionally focussed on targeted areas.

All Siedle cameras offer an image quality that is second to none. Even in poor lighting conditions: with built-in lighting, they also have exceptional vision when facing into the light or in the dark. In winter, they combat lens condensation thanks to their integrated two-stage heating system.

More on the Internet.
Web code: **3922**

Intelligent details



True day/night

Siedle fits cameras 80 and 130 with true day/night, a technology which is used in high-quality surveillance cameras. At night, it uses the infrared spectrum of light and filters it out during the day. The result is excellent vision even in complete darkness and high colour fidelity during the day.



Picture quality

Modern CMOS technology, automatic back light compensation and an electrical anti-glare function ensure brilliant colour reproduction and picture quality.

Night vision

All Siedle cameras have an automatic day/night switchover function and highlight sensitivity, with two models also having true day/night.

Two-setting heating

A two-setting heating system protects the camera models from condensation. This means that Siedle can guarantee full function even in high temperature gradients.

Large recording angle

The camera 130 monitors a large proportion of the entrance area. The field of vision of the camera 180 runs practically from wall to wall and even detects children and wheelchair users.

Theft protection

Siedle recommends securing high-quality systems with an anti-theft device. It activates a solid mechanical locking device electrically.

Image memory

Who was at the door and when? The image memory, which most video indoor stations have, shows every visitor who has rung the bell.

Mail reception



Siedle Vario



Siedle Classic



Siedle Steel

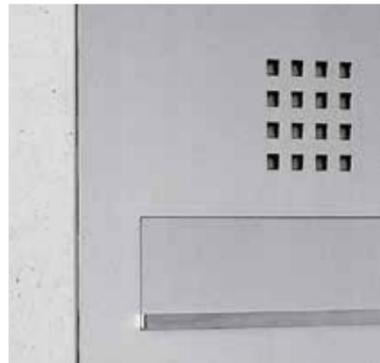
Modern door communication is more than ringing and speaking: it also includes information, visual content, surveillance, access control, switching functions, lighting – and of course somewhere for receiving mail. Letterbox systems from Siedle allow all the desired functions to be integrated in a uniform style which can be defined by the user. There are three design lines to choose from – all unique in their workmanship, all different in character. The various

installation methods also guarantee that Siedle letterboxes fit into any architectural environment – whether free-standing, mounted on or flush-installed in the facade, with front mail removal or a pass-through letterbox.

More on the Internet.
Web code: **277**



Intelligent details



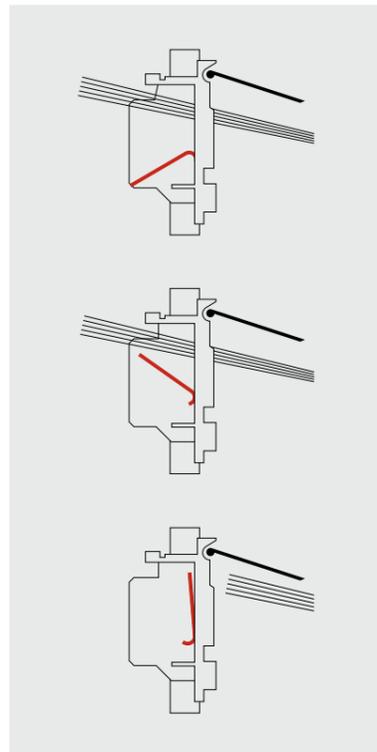
Solid material

Just like the systems to which they belong, Siedle letterboxes are predominantly made of precisely processed stainless steel, aluminium or brass in the appropriate thickness. This is an advantage for their appearance, longevity and solidity.



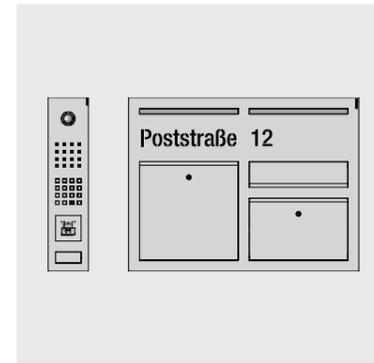
Protection from dampness

Drainage ducts keep the mail dry, even in driving rain, while the profiled plastic casing prevents condensation from forming (depending on the individual model).



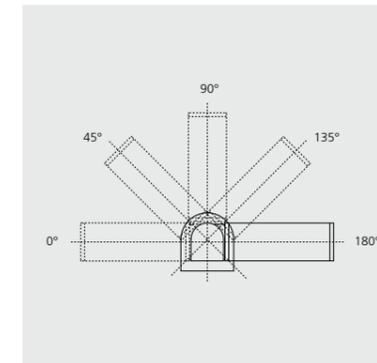
Mail removal protection

The adjustable mail removal protection has three positions: fully open, theft protection or holiday lock.



Delivery box

The delivery box is designed to allow postal delivery workers to leave parcels when you are not there. It can be opened from outside by fingerprint or numerical code. If the delivery person rings the bell, the Siedle app receives the call. The recipient can talk to the delivery person and unlock the box remotely. Siedle manufactures the delivery box in the Steel design line to the customer's individual wishes.



Flexible positioning

Free-standing Vario systems have five brackets to install the letterbox. This allows the specific situation at the entrance to be taken into account, for example the requirement to eliminate barriers.

Siedle letterboxes are durable, precisely processed and carefully designed down to the last detail. The material quality, design and workmanship ensure mechanical stability and design quality.

Moreover, the electrical, acoustic and ergonomic properties of all Siedle components are perfectly tailored to being installed in letterbox housings – and Siedle is offering more and more “smart” letterbox functions.



Mail removal from the front

So that the mail does not fall out when you open the flap, the mail removal door opens towards you, not sideways.



Cushioned letterbox flap

The cushioned letterbox flap closes gently and stays closed, even when exposed to strong winds. This is standard on Siedle Steel and Siedle Classic.



Mail notification system

When the letterbox flap is opened, an LED lights up on the Comfort indoor station, to signal the arrival of mail. It goes out again when the door is opened to remove the mail.



Electric unlocking function

Instead of using a key, the letterbox can also be opened using a fingerprint, code lock or radio transponder. Available for Siedle Steel.

Access control



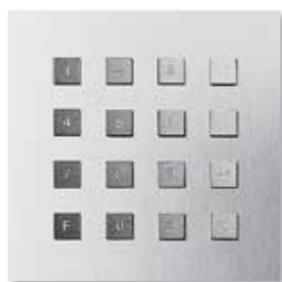
Fingerprint detection
 Guaranteed protection from losing or forgetting the key, theft and falsification – with one's own finger as the key. The Siedle fingerprint reader brings the convenience and security of biometric identification to any front door.



Card reader
 To prevent unattractive, complicated multiple installations at the entrance. The card reader integrates security and time recording technology from leading manufacturers in the standard appearance of Siedle Vario or Siedle Steel.



Electronic key reader
 Ideal for children and everybody else who want things to be as quick and simple as possible: move the electronic key close to the reader panel and the door will open. If you lose an electronic key, you can simply delete the code from the reader.



Code lock
 The code lock is one of the most versatile applications at the entrance. It provides access using a number combination, performs switching functions, dials specific call stations in the house and will even make connections to the telephone network.



Key-operated switch
 Alarm systems, garage doors, roller shutters – whatever you want to close, key-operated switches can easily be integrated into the building communication system. The module can accommodate all standard profile half cylinders.

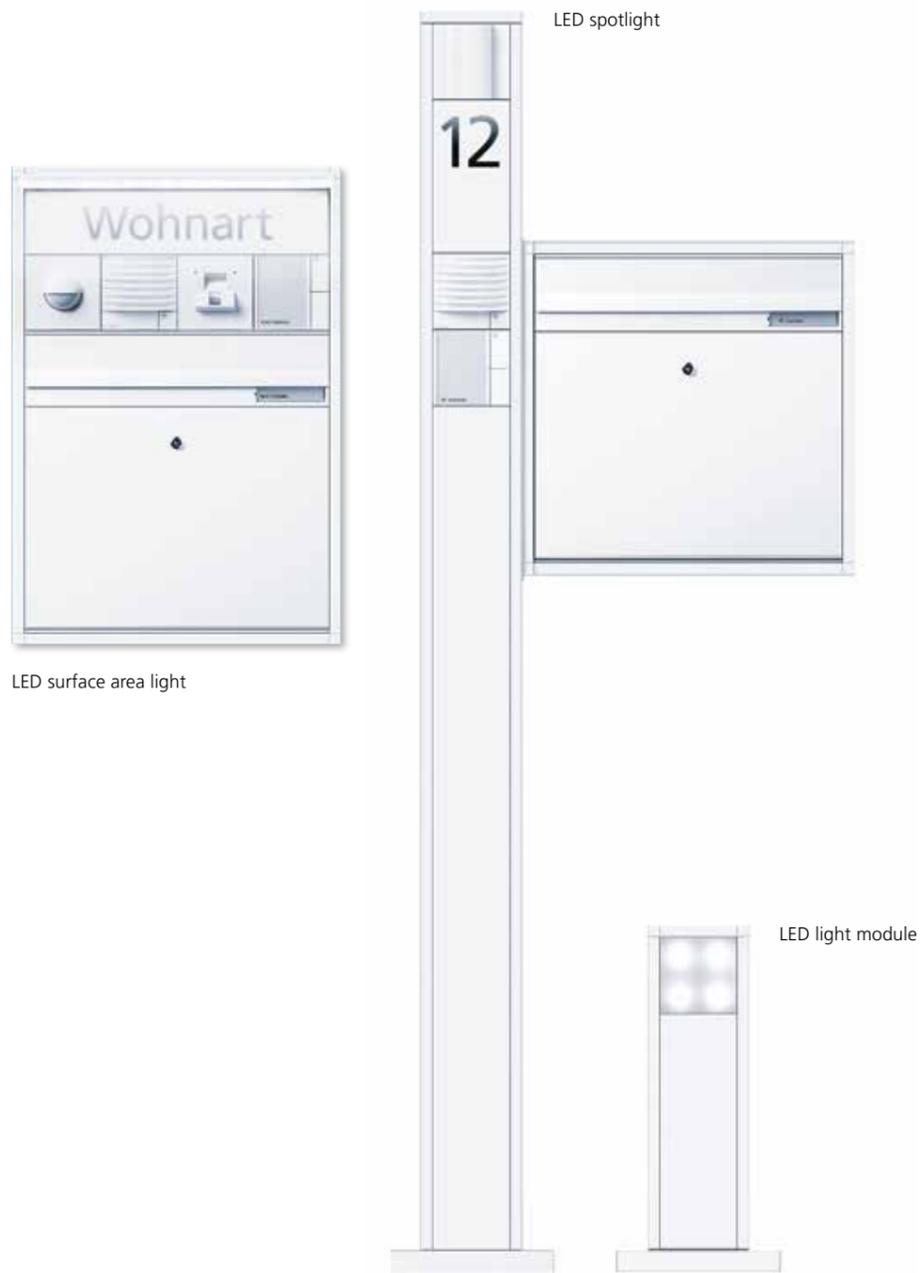
A fingerprint, a numerical code, a card or a radio transponder: all of these either supplement or replace the usual key. Siedle access control is adapted to meet requirements with several expansion stages. The spectrum begins with controlling a single door and stretches as far as large building complexes, whose numerous entrances are configured and controlled via a web server.

Available for:
 – Siedle Vario
 – Siedle Classic (except card reader)
 – Siedle Steel

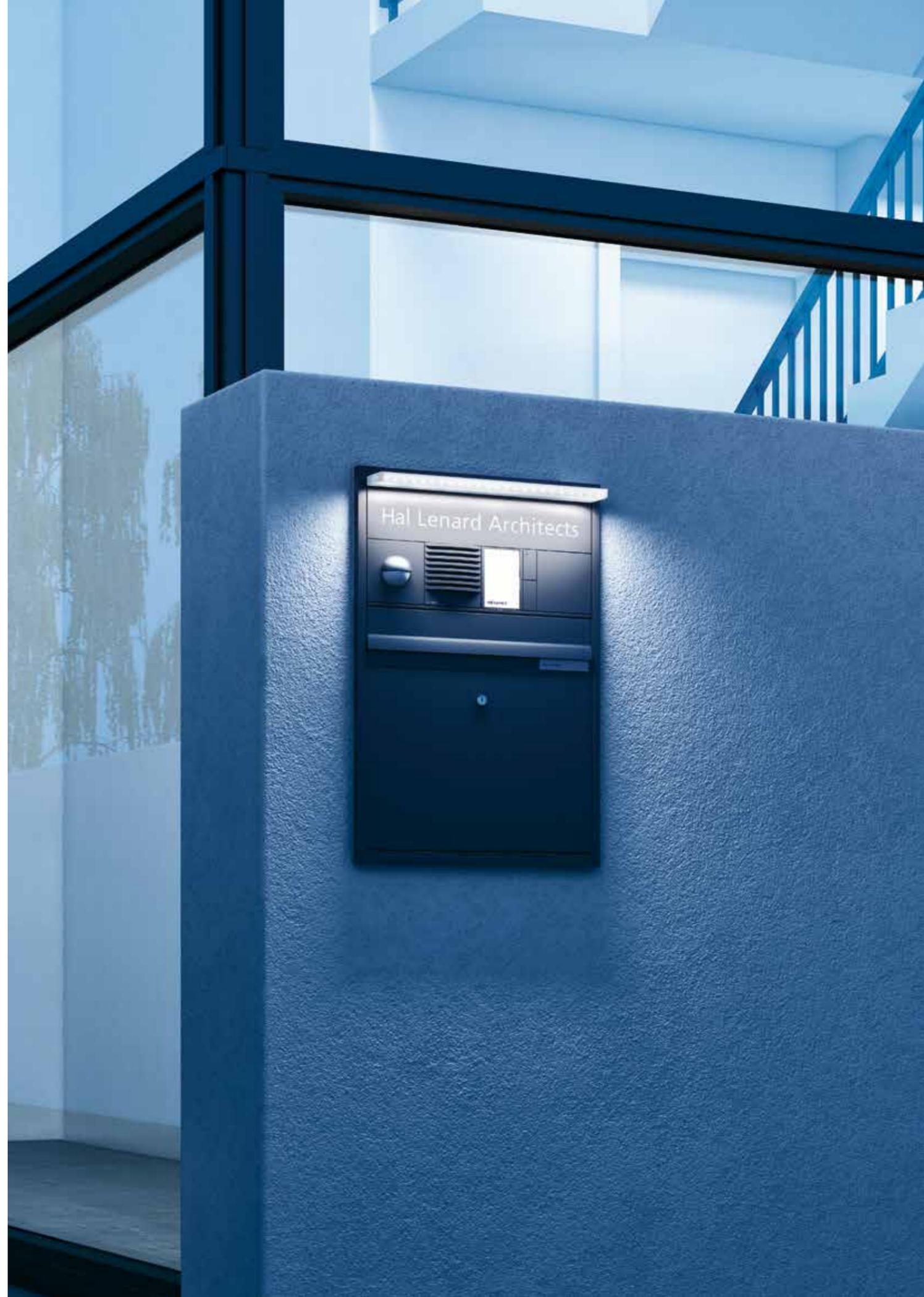
More on the Internet.
 Web code: **283**



Light



Siedle only uses white high performance LEDs in all its light functions. The LEDs will illuminate details such as buttons or house numbers, make large areas or entire systems brighter and can illuminate access points, pathways, entrance areas or terraces.





LED surface area light
The surface area light puts company names, logos and other inscriptions in the right light. At the same time, it attracts attention to itself with its characteristic light distribution and innovative design.



LED spotlight
The spotlight illuminates details such as keypads, house numbers or fingerprint readers. Its directed light accentuates edges and contours.



LED light module
The square light module provides the basis for extremely flat wall lights or free-standing light pedestals. Each module is fitted with four LEDs which remain visible in the form of point-shaped light sources.

Available for:
– Siedle Vario
– Siedle Steel

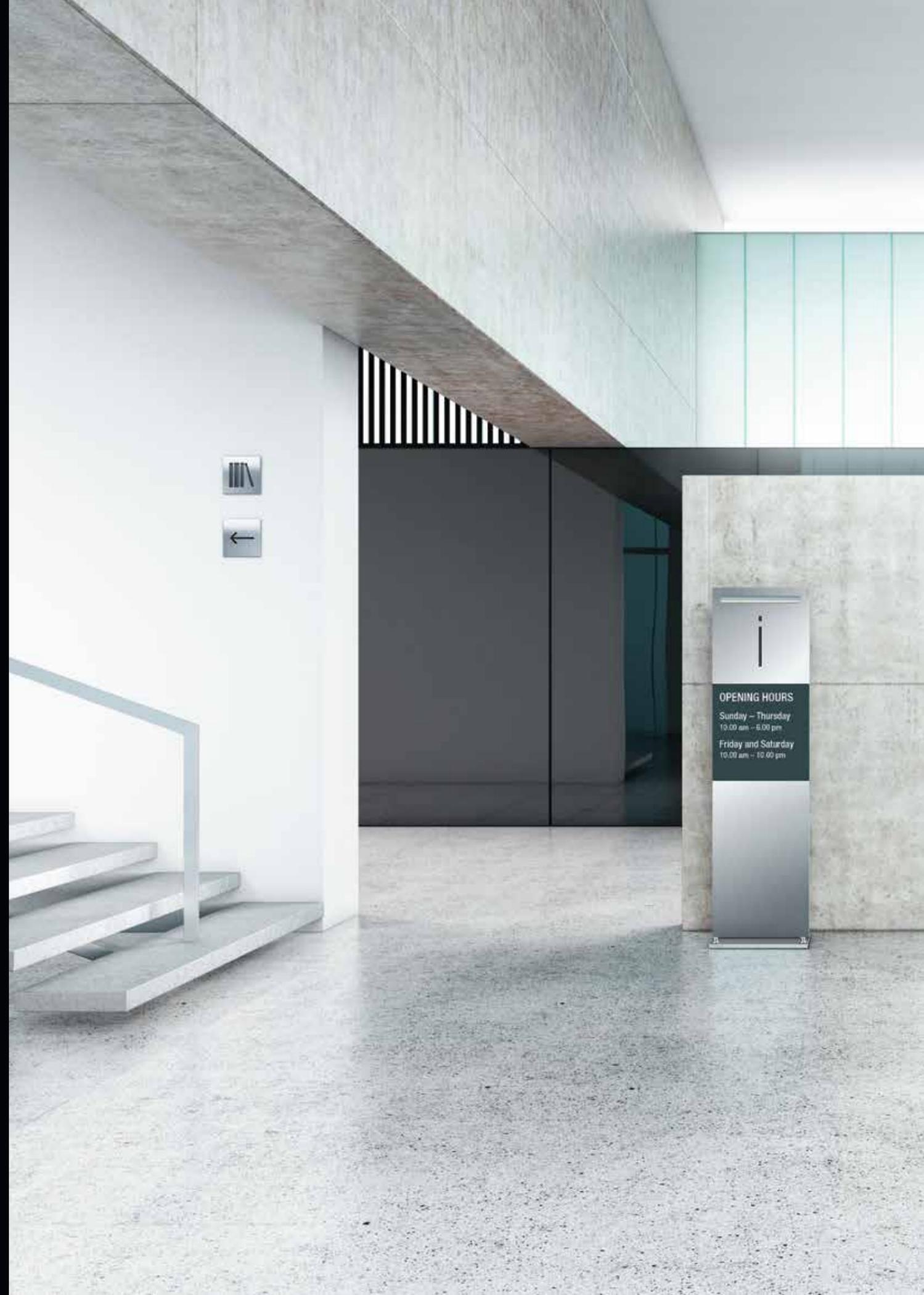
More on the Internet.
Web code: **276**



Communication and signage system



Communication, orientation and information complement each other perfectly when it comes to welcoming visitors and guiding them to their destination. They interact and together lend a building a profile. For this reason, Siedle has developed a communication and signage system that incorporates all the functions together in a uniform design. It combines the infinite range of variation of the Siedle Steel high-end communication system with an ergonomically optimised signage system. The result is a perfect reception – continuous and homogeneous in the whole building.



A perfect reception is not limited to the entrance; communication with a visitor begins at a distance: large letters attract attention and identify a building. When the visitor approaches, signs at an optimal reading height indicate the way to entrances or rooms. And if the visitor is in immediate proximity, ergonomically correctly positioned control elements invite you to:





Classic with receiver or handsfree, on the wall, on a laptop or smartphone, audio or video version, made of metal, wood or with a painted finish – the choice is yours.



Siedle Basic



In-house and handsfree telephones



Video panel



Siedle Scope



Siedle app

Inside

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Reduced to every detail

Siedle Basic

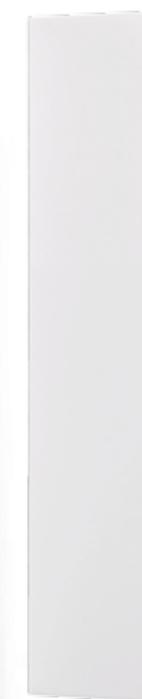
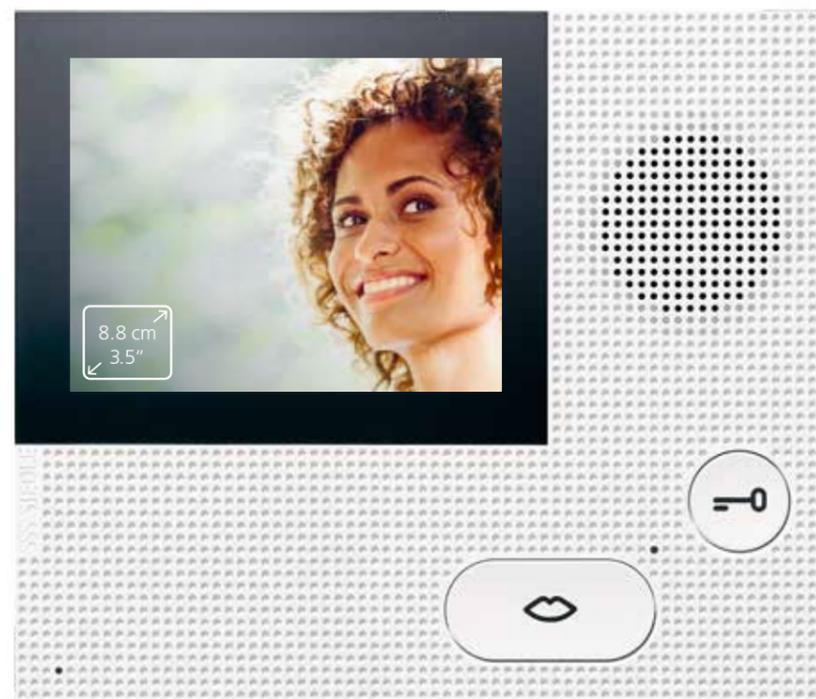
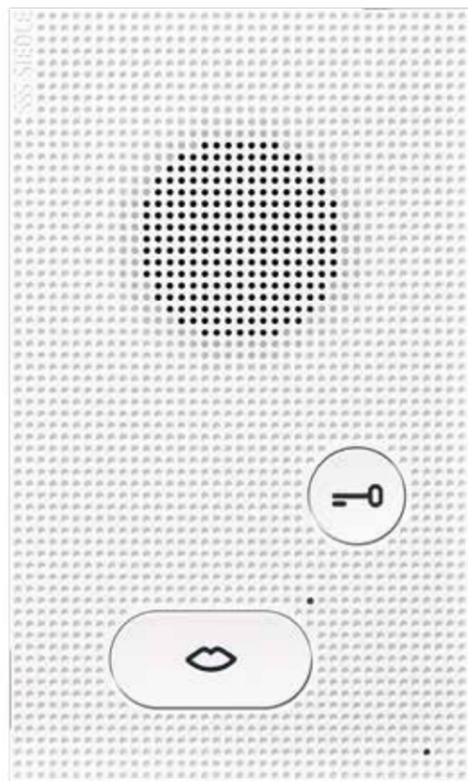
As much as necessary, as little as possible: Siedle Basic delivers modern building communication brought to perfection in terms of form and function. The design line comprises two indoor stations: one audio and one video version. Neither device has a receiver and each has only two buttons. Both devices are only available in white. Since it has been reduced to the absolute essentials, Siedle Basic will fit into any interior.

The indoor stations are discreet in appearance; nevertheless, they look individual and eye-catching.

Like all Siedle products, the design is derived from basic geometric forms and typically ergonomic. The large talk button and the restriction to two control elements make its intuitive use easier. The door release button is clearly distinguishable while the spacing between the buttons and the clear symbols rule out user error.

More on the Internet.
Web code: **4294**



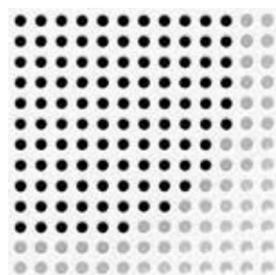


Angled sides underline the lightness of the design and make the device appear to float in front of the wall.

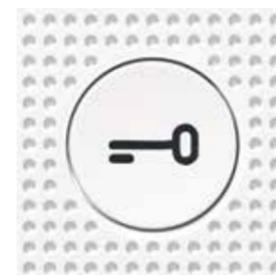
High-quality plastic and a particularly light white colour – RAL 9003, signal white – underline this fine design. The finish has a slightly matt character due to its subtle texture. The reduced design and the refined details create a shape which underlines the value of the product. And the virtuous interaction of design, construction and high-quality components creates unmatched acoustic quality.



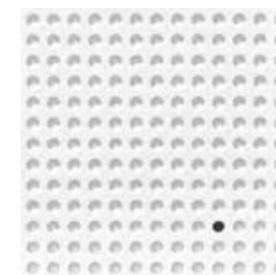
Unmistakable and unmissable: the most important button is also the largest. A clear pressure point, audible and palpable response.



Staged hole depths create a soft transition around the loudspeaker opening, an "aura".



Clear symbol, well away from the talk button: virtually eliminating the possibility of user error.



Small but fine: the carefully positioned microphone. The design, construction and high-quality components deliver acoustic quality which sets standards.



The status LED indicates an incoming call when yellow, while the red LED indicates that the mute is active, using a crisp, clear beam without diffusing edges.

Simplicity and refinement

A conversation with designer Eric Degenhardt about Siedle Basic

Interview René Spitz



Every detail of the new indoor station has been continuously refined in the design process.



Different models from the design process

René Spitz: Reducing products to the essentials is often the key to successful design. What role does simplification play in design?

Eric Degenhardt: We see everywhere that complexity is a burden: in every aspect of working, living and life. That is why it is important to me to make processes more slimline. Simple solutions are generally easier to use. That is why, for example, I attach a great deal of value to using as few material transitions as possible so as to create a monochrome or monolithic appearance with clean details. The result is simplicity which is attractive.

RS: What does simplicity mean for the user?

ED: We all know from our everyday lives how pleasing it is not to have to think twice about how to use devices. Using simple things becomes second nature to us in no time. Objects then no longer stand in our way but instead become almost invisible helpers that we take for granted. If their exterior looks simple, customers automatically expect this simplicity to continue in terms of how they are used.

RS: How does a designer ensure that simplicity also looks attractive?

ED: That is a long-winded process which consists of lots of small steps. Our main objective consists of directing attention continuously to every single detail. For example, that includes refinements with the radius and the curvature of the line, the proportions and material thicknesses. The sum of all the details creates a harmonious overall impression for a product.

RS: Are these fine details also a way to highlight innovation and quality?

ED: Yes. Refinement is the deliberate adjustment of small factors which produce a perceptible leap forward in quality when a product is in use. Innovation is when an existing product undergoes specific development. It is an expression of technical competence that the small, slightly conical blind holes on the fronts of Siedle Basic produce a homogeneous structure. A second example is the edges which connect the front and rear with a slight incline. Most people will not even notice this, but it will nevertheless lend the housing a certain elegance.

RS: Does this design refinement deliver something extra to the user?

ED: Definitely. The subtle message of such aesthetic finesse is clear to everybody: this product has been manufactured with maximum precision and care. Products with a clean, clear design necessitate in-depth control of the production process which in turn implies that such products are safe to use: the user feels good that he has everything under control – child's play!

Eric Degenhardt studied architecture before opening his own industrial design office in Cologne in 2000. Since then, he has developed furniture, packaging and architectural spaces for international clients such as Audi, Boffi, de Sede, Lamy, Magazin, Paola Lenti, Schönbusch and Wilkhahn. He recently designed the Siedle Basic product line in collaboration with Siedle.



Eric Degenhardt

About the author:
Dr. René Spitz has made more than 300 programmes as a design critic for the West German broadcasting corporation WDR. He teaches design theory and international design at Rheinische Fachhochschule Cologne.

More on the Internet.
Web code: **4294**

So clear, so versatile

In-house and handsfree telephones

Indoor stations shape a building or residence to the same degree that a door station shapes a facade or entrance area. Every visitor passes by them. Every inhabitant expresses themselves through them. Insofar, an indoor station has much greater significance than as just a supposedly uniform functional object. A Siedle indoor station always combines building technology, furnishing object, and safety element in one. This requirement is mirrored

both in the functionality and in the design: models with different features and lots of design variants make the inside of the threshold a playing field for individual preferences and needs.



Models



Desktop versions
All models are also available as desktop versions.



Handsfree audio telephone Comfort **Handsfree video telephone Comfort**



In-house audio telephone Standard/Comfort



In-house video telephone Standard/Comfort

Siedle indoor stations are every bit as varied as their counterparts at the door. They come with a receiver or as a handsfree telephone, for wall mounting or set-up on a table, as the standard model or with Comfort functions and with or without video. What they all share is their ease of use.

Their clean design lines, non-slip, easy-on-the-hand materials, clearly identifiable symbols, signalling LEDs and – last but not least – our refusal to get involved in exaggerated minimization – many such details contribute towards making them safe to handle.

Design



Blood orange (RAL 2002)



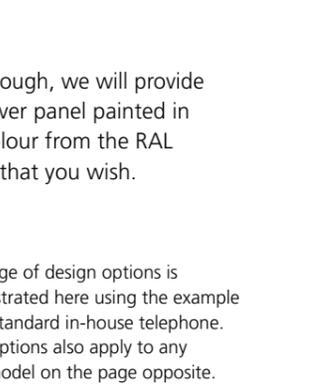
Brushed stainless steel



Anodized aluminium



Gold-plated stainless steel



Black and white as a basis: housing and receiver made of black or white plastic

The design concept of the in-house and handsfree telephones combines a plastic housing body with individual panelling on the front and back in genuine stainless steel or aluminium. There are six standard materials and colours for the cover panels; and the housing body with the receiver is available in black or white. If the wide range of standard finishes is still

not enough, we will provide the cover panel painted in any colour from the RAL range that you wish.

The range of design options is demonstrated here using the example of the standard in-house telephone. These options also apply to any other model on the page opposite.

Experience the wide range of possibilities using the online configurator on the Siedle website.

Brilliant in every respect

Video panel

To satisfy the highest demands on image rendition: the video panels display the door image on a monitor with a 17.8-centimetre (7-inch) display diagonal. The control concept also has sensible proportions. The button for call pick-up is so large that it can be found straight away even without glasses and slender fingers. If necessary, it can even be pushed using the elbow. Moreover, the buttons for the main functions, speech and door release, are mechanically operated. Everyone can thus understand their function immediately and they are always accessible, even if the display is not active.





The monitor is also the control interface: on the standard model (right) via the cursor keys and on the Comfort model (left) using the touch-screen. All panels have an image memory and can trigger the switching functions.



Design

The panels combine a body made of black or white plastic with aluminium or stainless steel cover panels which can be chrome-plated, gold-plated or individually painted.

Experience the wide range of possibilities using the online configurator on the Siedle website.

Siedle indoor stations are well known for their high-quality material variants and individual paint finishes. With carbon, wood and leather, Siedle has extended its range to include versions which feel special to the touch.



Black leather
Video panel



Beige leather
Siedle Scope

These exclusive finishes literally allow you to feel the quality of a Siedle indoor call station. While technoid carbon alludes to car manufacturing, the warm materials of wood and leather create a contrast with the technical character of the devices. Their special feel is based on their natural, open-pore surface which has deliberately not been sealed. Special properties such as the grain of the wood underline the natural character of the material and make all indoor call stations absolutely unique.

The finish requires special craftsmanship. For example, the leather is split until it is very thin, applied to the stainless steel cover, wrapped around the edges of every opening and glued on the rear – a process carried out by hand by specialists in southern Germany with absolute precision.

Available for:

- Siedle Scope
- Video panel
- In-house and handsfree telephones



Ash
Siedle Scope

Carbon
Siedle Scope



As far as home can stretch

Siedle Scope

Siedle Scope is the mobile communication device to suit a wide range of demands. Wherever you are, whether in the kitchen, the bathroom, the garden or the cellar..., Scope gives you a live update of who is standing at the door. Scope features all the important functions of a video indoor station, thus allowing it to become a fully fledged handsfree station in its charging tray on the table. Scope has all the functions of a conventional cordless phone to ensure that you only need a single device for all your communication needs. And finally Scope can connect to the world

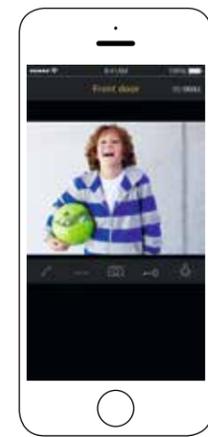
of iPads and iPhones, Scope can activate four apps simultaneously if required. If you buy Scope, therefore, you actually get a package containing several mobile video call stations with complementary strengths: a durable Siedle station which is available at all times and is 100% reliable as the basis, with the app as a flexible supplement in the virtual world of smartphones and tablets.

More on the Internet.
Web code: **2981**





Individual design
Solid metal individual panelling on the front and back defines the appearance. There is a choice of six versions available: stainless steel, aluminium, high-gloss white, high-gloss black, chrome and gold.



Scope, the mobile video call station

- Large colour display
- Video monitoring with zoom and swivel function
- Handsfree function
- In-house function control, such as lighting, garage door or blinds
- Can be extended: up to 8 handsets can be used at the same time

Scope, the cordless landline telephone

- High range and excellent voice quality thanks to the DECT standard
- Handsfree function
- Ergonomically optimized design and user guidance
- ECO mode with reduced transmission power
- Telephone book, call log and numerous other telephone functions

Components

Scope comprises three components: the handset, the charging tray and a base station which ensures the wireless connection to the handset.

Thanks to additional control buttons on the charging station, Scope can also be used as a table-top device.

Siedle app

The Scope base station has up to four Siedle apps for the Smart Gateway Mini.

Siedle app → Page 116
More on the Internet.
Web code: **2982**

The mobile alternative: in contrast to apps, Scope establishes a cordless connection using the DECT standard for telephony. Siedle has expanded DECT to transmit video. The result is a mobile video call station whose combination of audio quality, availability, standby time and reliability beats every wireless

LAN-based app by some considerable margin. Scope's design and handling also make it a clear alternative to the app – and therefore an ideal supplement for it. Large mechanical keys with a tactile response, solid materials with precise workmanship, bespoke design and a discernable weight are all

an expression of value awareness and a design aimed at many years of reliable use, as is the lengthy availability of spare parts, replaceable batteries and long-term operation without the need for maintenance. Once it has been commissioned correctly, Scope will provide years of discreet service while

smartphones, tablets and their operating systems require constant updates. Scope also features high levels of security to prevent manipulation and eavesdropping. DECT connections are encrypted anyway and do not need the Internet to work. That reduces possible areas of attack for unauthorised access.

The best of both worlds

Siedle Scope and the Siedle app join forces to form an ideal combination for mobile video door communication. Because they complement each other so well they are supplied in a package – at no extra cost. The app is available free of charge from the Apple app store.

Siedle Scope

The secure basis

Door communication must be reliable – at all times. The DECT standard is second to none when it comes to meeting this requirement.

Siedle Scope is part of your home

Scope is always there – for everybody. And especially when it is important not to miss anything.

Genuine quality

Scope is Siedle: palpable workmanship and material quality designed for years of trouble-free use.

Some like mechanics

The solidity, the material, the weight and the incomparable feeling of using real buttons.

DECT makes Scope reliable

Better range, no failures, no problems, independent of the mobile phone network and external hardware and software.

Siedle app

The mobile extension

What could be more practical than being able to see beyond your doorstep at all times? Apps, smartphones and tablets are unbeatable in this respect.

The iPhone belongs to the user

The smartphone belongs to the person who owns it. If that person leaves home, the call station leaves with them.

Virtual app world

Smartphones and their operating systems have a short life span. The function of apps must be guaranteed at all times again and again.

Others prefer electronics

Perhaps the children, housemates, colleagues – up to four apps can be operated at the same time.

The app makes Scope flexible

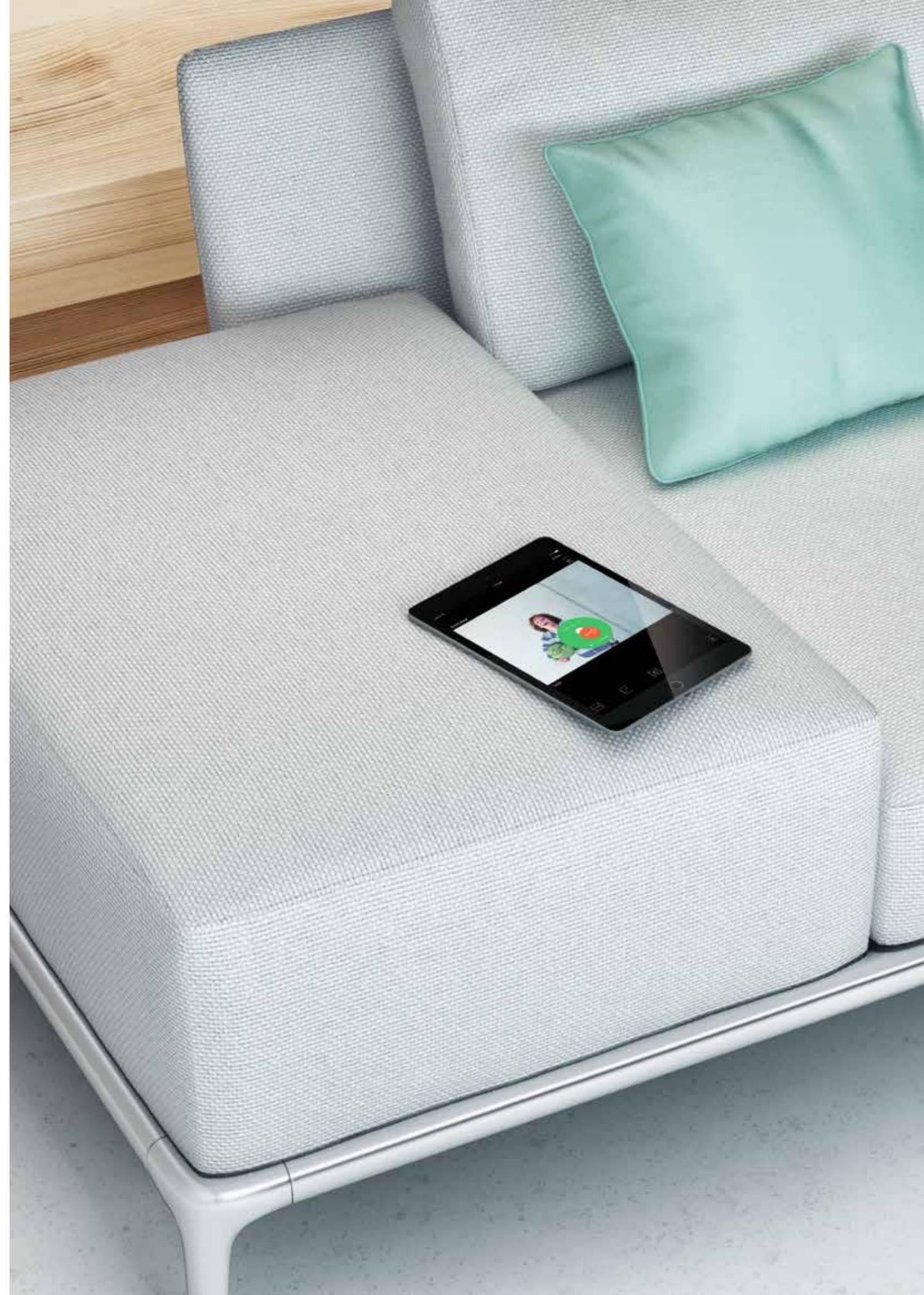
If required, the iPhone or iPad can become a mobile supplement to a door intercom system – with no additional equipment or costs.

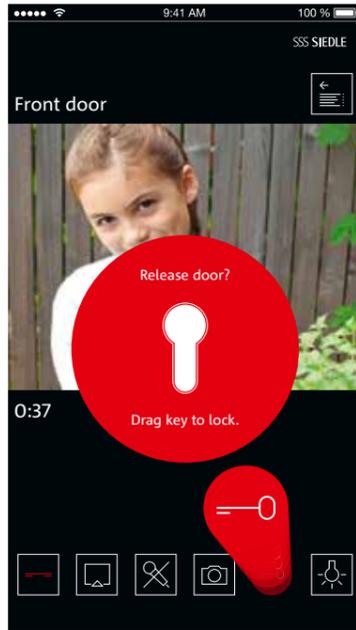
The mobile extension of the threshold

Siedle app

The Siedle app makes an iPhone or iPad into a mobile extension of your door communication system providing the same functions as a Siedle indoor station. It receives the door call, displays a live video image, establishes a voice connection and opens the door. But of course it also features integrated security and maximum convenience, such as an image memory. The video image is available straight away, not just after you have accepted the call. The voice quality meets Siedle's high requirements and the door can be opened using a key symbol. What appears obvious is by no means so.

We recommend that you immediately check door communication apps to ensure that they are easy to use and practical. This particularly applies to security functions – after all you are not just making a phone call with Skype, you are controlling the threshold of your home. The Siedle app protects the door opener from accidental use by a security prompt. And the open command is transmitted in secure form which means that it is pointless trying to intercept and repeat it. This is a feature that we believe is paramount in view of the low resistance that wireless LAN and mobile phone connections offer to unauthorised access.





Active door call
Moving images from the door camera, speech connection, door release – but only after the security prompt has been confirmed!

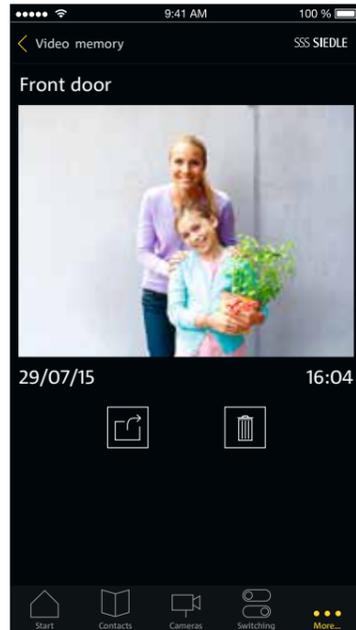
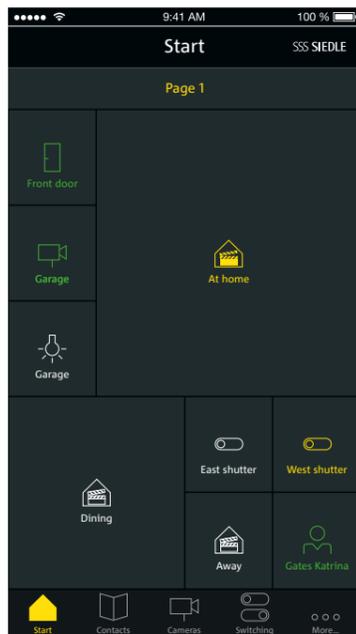
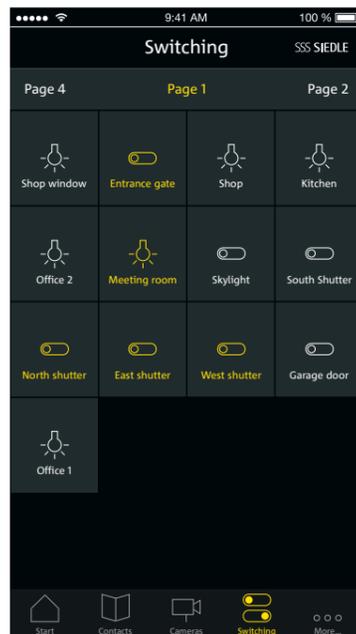


Image memory
See who has rung the bell and when



Dashboard
The main functions at a glance



House controller
Switch building functions on and off

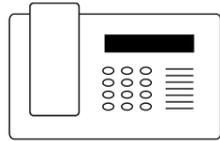
The Siedle app is available for Siedle's two most high performance installation systems. The versions differ in their details and in their extended functionality which depends on the system properties. You can rely completely on their essential basic functions, their simple, intuitive use and their reliability. The Siedle apps are available for all current device generations free of charge in the Apple app store. They can be used with the IP system Siedle Access, Smart Gateways (Page 130) or as a supplement to Siedle Scope (Page 112).



Apple Watch
The Siedle apps for Access and the Smart Gateway also work perfectly with the Apple Watch. As soon as anyone rings the doorbell, the smart watch emits a signal, displays the Siedle app icon and shows from which door the call has been made. The house owner can open the door using the Apple Watch.

More on the Internet.
Web code: **2982**

Interfaces



Telecommunication

Whether as a fixed line or cordless – with the Siedle DoorCom interface the telephone becomes a call station for the door intercom. Nor does this restrict you in your choice of door station, as DoorCom works with all Siedle product series.



IP network

The Smart Gateway links the door communication system with the main standards in the world of IT: in addition to a smartphone or tablet, PC-based control panels or computers can become additional indoor call stations while the LAN becomes the transmission route. The Smart Gateway allows virtual in-house telephones to be used as software on any PC.



Door communication plus automation

The Access video panel provides video door communication and building automation in a single device. Simply touch the video panel to access the Jung automation server – and thus all the functions of the KNX building automation systems.



Virtual in-house telephone for control panels

The virtual in-house telephone can also be operated on Windows-based control or automation panels. It therefore allows them to be integrated in the door communication system.



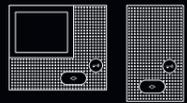
TV and video

The bus video demodulator (BVD) processes the video signal from door cameras so that it can even be played on devices at first glance unrelated to building communication – such as television sets or video surveillance systems.

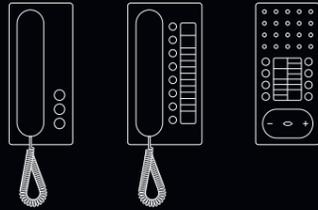
Why not answer a door call with your phone or computer? Interfaces create junctions to the telephone system, PC network or the intelligent house.

System overview

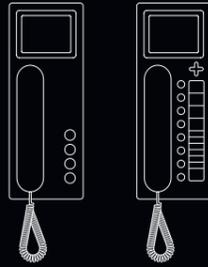
Siedle Basic



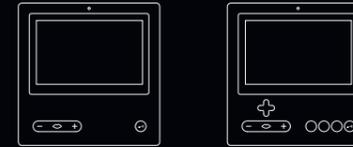
In-house and handsfree audio telephones



In-house and handsfree video telephones



Video panel



Siedle Scope



2000 mm

1500 mm

1000 mm

500 mm

→ Find out more about what is possible:
siedle.com/configurator

Smartphones, smart watches and tablets



PC



TV and video



Control panels



2000 mm

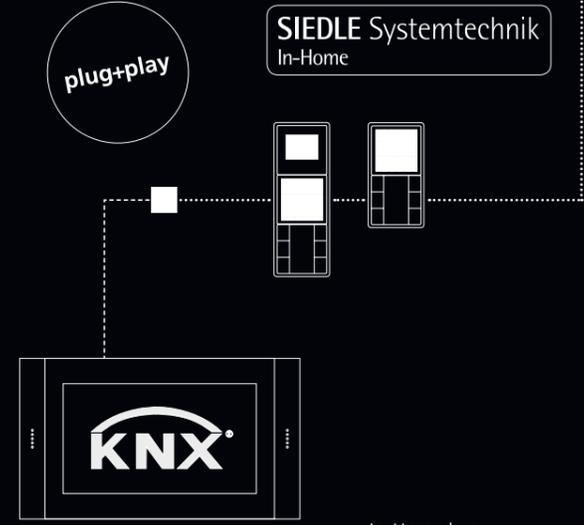
1500 mm

1000 mm

500 mm

Switch-style call stations and KNX

Siedle and Jung: the combined strengths of two specialists



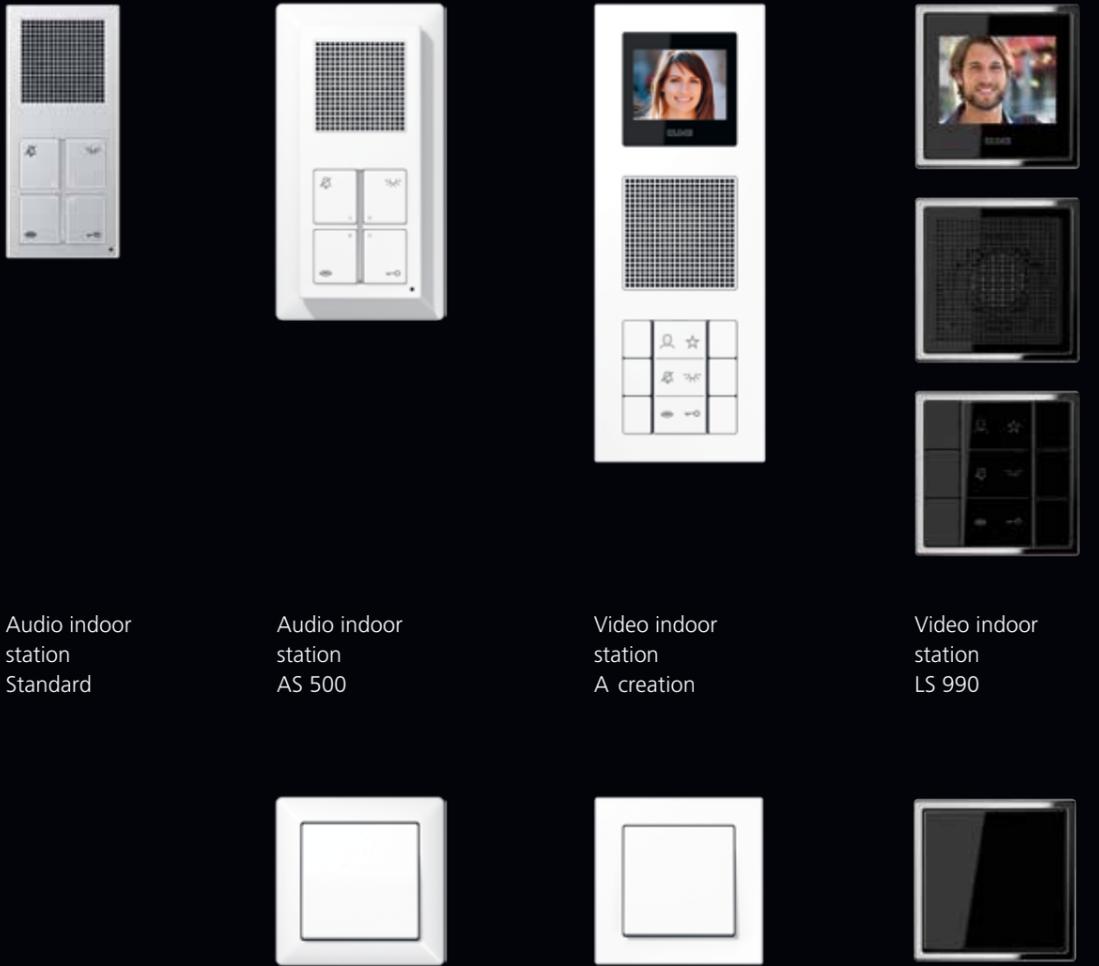
In-Home bus
IP - - - - -

Product images not to scale.

Siedle Access video panel + KNX interface from Jung
 Door communication plus building automation makes a sensible combination. Particularly if both systems use just one control panel. The joint venture with Jung makes it possible: the Siedle Access video panel controls the Jung automation server*. Simply touch the video panel to open the Jung control interface – and thus all the functions of the KNX building automation systems.

*KNX REG Facility Pilot Server

SIEDLE Systemtechnik
In-Home



Audio indoor station Standard

Audio indoor station AS 500

Video indoor station A creation

Video indoor station LS 990

The alternative in switch design: indoor stations from our joint venture partner, Jung, can be fitted into Siedle door communication systems without any problem. They are fully compatible with Siedle technology in technical and functional terms. We guarantee this with our "Siedle Systemtechnik" seal.



Will smartphone apps soon replace the conventional door intercom system? How can we make sure that technology can be used easily by almost everybody? And for how long do you actually go on repairing Siedle devices? Just some of the many questions that we deal with every day.

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Building communication
of the future

Where is outside, where is inside?

The world in which we live has become more flexible and more mobile. People are no longer following technology, but rather the other way round. This is also changing the communication lines between outside and inside.

Previously: fixed connection

What happens when a visitor rings the doorbell? An electrical impulse travels from the door station along a wire and triggers a signal at the indoor station. Most of the time, the classic in-house telephone is permanently installed at a central location in the home, often in the hallway. The resident goes there when he hears the bell, sees the picture of the visitor, speaks with him and lets him enter using the door release. Sometimes he uses the same device to turn on the light or to open more doors, such as those to the courtyard, the garage or the entrance to his floor.

In many cases, this is still the way things are and it continues to be so in many plans. But in contrast to the past, we can now also do things a little differently. Mobile use of the Internet is showing the way: people are no longer following technology, but rather the other way round. The technology is in place where it is needed and adapts to the needs. And these needs are changing. Living and working under one roof is becoming ever more frequent, more and more people are living alone, and the desire for more convenience and security is growing. On the one hand, we can be reached at any time; on the other hand, we are seldom to be found at the same location. In short: the world in which we live has become more flexible and more mobile – there is no longer a universal pattern.

Now: open systems

Thus, door and building communication is no longer sticking to such patterns. The design possibilities are multiplying, both in terms of technology and form.

So what happens today when a visitor rings the doorbell? The electrical impulse still travels along a wire and it is a sign of clever planning if it still causes a fixed device to sound. However, at the same time, the signal can leave the wire and be converted into a radio signal that is detected by the mobile Siedle Scope call station using the DECT standard. It works anywhere in the house, without any noticeable delay, is secure, encrypted and includes video and voice transmission in real-time. Or it can become a data packet in the network. When the packet reaches its destination in the network, programs or apps turn computers, panels, iPads or iPhones into virtual indoor stations. They can be used in the garden, on the terrace, on the next floor, across multiple locations or anywhere else within reach of the mobile communications network. The threshold is becoming mobile.

Siedle provides a wide range for flexible, mobile communication at the threshold, from the simple upgrading option to highly complex system integration. All offers have something in common: the typical Siedle requirements of high quality and good design. These requirements include an awareness that the threshold between inside and outside makes particularly high demands. Whatever system is used, all aspects of the door communication must be reliable.

Oslo Opera House
Architecture: Snøhetta, Oslo



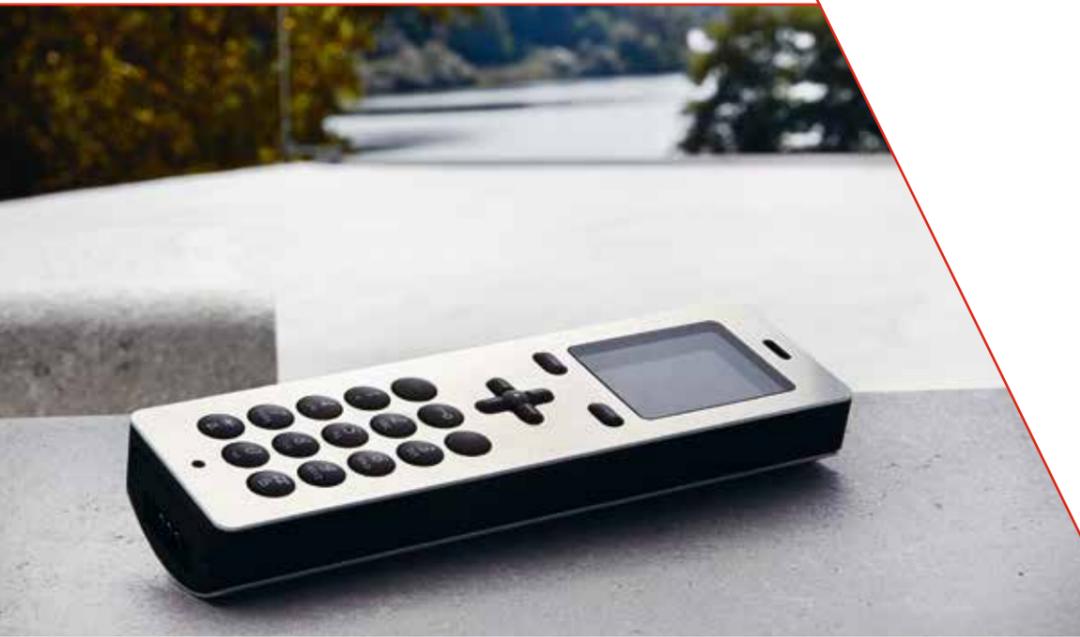
Always: freedom and security

This is the difference between a connection to the entrance via a telephone call or an Internet session. If a telephone call is not received, both the caller and the recipient accept this. But how much time may elapse between pressing the bell and the sound at the receiver station? How long is the visitor, courier or delivery person willing to wait? With a mobile Internet app, several seconds can elapse, depending on the quality of the connection.

Devices also have an unpredictable nature: the battery is flat. The app has not been started. The device switches itself off or closes the background app. Flight mode has been turned on accidentally or the wireless LAN has been switched off. The iPhone was out of range and it takes a few minutes before it is ready to receive again. Or it has simply been mislaid and rings unnoticed between the sofa cushions. In all these cases, the door call is not received. This is why Siedle recommends combining the freedom of mobile door communication with the security of a wired installation wherever possible.

Oslo Opera House
Architecture: Snøhetta, Oslo





Siedle Scope

Siedle Scope

Apps are wonderful. They result in greater convenience when operating the devices, which can generally also be used for other purposes and that you keep with you. However, apps alone do not meet the high demands that Siedle sets for security-related functions at the entrance door. Thus, apps are wonderful, but mainly as a supplement. They require a secure platform to ensure the primary, security-related functions.

Siedle Scope is one such platform. The mobile video call station is based on the DECT standard for telephony. Unlike the Internet protocol, DECT was created for speech trans-

mission. This is evident in the quality. Compared to wireless LAN connections, the DECT radio standard is much less sensitive to interference sources such as microwaves and generally has a greater range and better penetration in buildings. Siedle has expanded DECT to transmit video. The result is a wireless indoor station that can make landline telephone calls, act as a handsfree station on the charging tray and operate up to four Siedle apps in parallel, all at the same time. A universal communication device that combines the benefits of DECT with the comfort of an app on your iPhone or iPad.

Smart Gateway Mini

This interface has certainly earned the name "smart". It connects several installation worlds and their respective advantages:

- Siedle's own installation system In-Home bus with its enormous variety of door stations and indoor stations;
- the IP network and thus the Siedle app for In-Home that turns up to four iPhones or iPads in parallel into mobile video indoor stations;
- the DECT standard for wireless telephony. The DECT interface of the gateway can connect with a GAP-compliant wireless phone – which includes most telephones. A conventional, cordless landline telephone can thus become an additional audio call station for door communication. It receives the door call, establishes a speech connection and opens the door;
- the handset from Siedle Scope. In this combination, the Smart Gateway Mini becomes the Siedle Scope base station – also retrospectively.

All of these applications can be combined. The Smart Gateway Mini is designed for households and small commercial applications. It can be fitted in a residence with minimal installation work and is therefore ideally suited for complementing existing Siedle systems. A real problem solver that, with little effort, provides great benefits and flexibly adapts to both the existing technology as well as to the needs of the users.

Villa, Wiesbaden

Architecture: Axial Architekten, Wiesbaden



Smart Gateway

The Smart Gateway is the next expansion stage. With significantly more capacity and performance, it is suitable for professional requirements and larger applications. Here, too, the platform is the Siedle system In-Home bus, connected to an IP network. This results in varied application and expansion possibilities:

- operation of up to 50 apps or virtual indoor stations as separate, individually-selectable participants;
- use of virtual indoor stations in the form of software on any PC in the network;
- use of virtual indoor stations on Windows-based control or automation panels and thus their integration in the door communication system.

The Smart Gateway is installed in the distribution box. The users only see the flexibility when using it. This can also save money thanks to the multiple use of existing installations and devices. As a professional application, the Smart Gateway requires careful planning by qualified experts.

Siedle Access in Schwarzwald-Baar Hospital

Flexibility is a major demand for the building communication system in a property of this size and with this the level of security, as is bridging the considerable distances and networking large numbers of users.



Siedle Access

From single-family dwellings with the latest high-tech equipment, large projects with new challenges to building complexes on widespread sites: Siedle Access is the most flexible, high performance installation system from Siedle. It can be integrated seamlessly into an IP network to enhance it with the entire range of functions provided by "Siedle Systemtechnik".

Siedle Access can now satisfy various demands and applications with two versions. Both have in common the stable, secure base of a server-based system; the difference lies in how they are used.

Access Home

Access Home provides an entry into the IP world. The system is suitable for small and medium-sized projects with up to 40 participants and is supplied in the form of a server in a DIN rail housing. The pre-installed software ensures rapid commissioning and easy administration.

Access Professional

Access Professional satisfies the demands of professional IT management. The system was developed for large, complex projects with up to 320 participants and is supplied in the form of a pure software solution (Windows Installer package). Suitable hardware is available as an option.

The planning, installation, and commissioning of an Access system is a job for specialists, either from Siedle's own Access Service Center or from certified partners and distributors.

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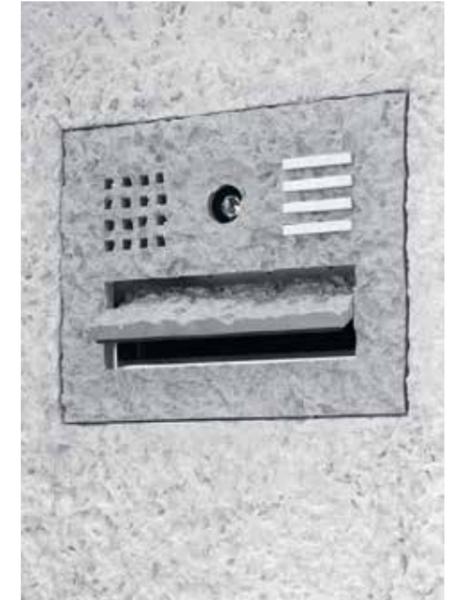
Radical acceptance

Arno Brandlhuber has a reputation for out-of-the-ordinary aspects, designs and buildings. So it comes as no surprise that the door communication system installed in his anti-villa is somewhere beyond the conventional. Siedle designed and built it on the basis of the architect's ideas.

Photos Achim Hatzius



Anti-villa, Krampnitz
Architecture: brandlhuber+, Berlin



On the design basis of Siedle Steel, recognisable by the typical square hole pattern, the architect's specifications were used to create a door station which literally becomes one with the facade.

The history of the anti-villa on Lake Krampnitz in Brandenburg starts after the reunification. There is a former knitwear factory there which was taken over by the "Treuhand" (GDR Trust Agency) and had been closed down. The site was threatened with demolition, with plans for new buildings on the site which has access to the lake. However, Arno Brandlhuber heard about these plans and acquired the property. He did not rebuild. Instead, he maintained as much of the East German factory as possible and adjusted it to a change of use. The means used were totally radical – "anti" in fact.

On the design basis of Siedle Steel, Siedle created a bespoke letterbox and intercom design which imitated the characteristic sgraffito of the anti-villa down to the last detail. The mould was taken direct from the facade by artist and bell founder Timo Klöppel and cast by a specialist company in the Black Forest. Siedle Manufacture used the blank to produce a door station which literally became one with the facade.

The coarsely cut window openings are a feature of the anti-villa which can be seen for miles around. To reproduce this special view to the outside in the video image from the threshold, Siedle adjusted the video camera to the rear. The edges of the camera opening now border the field of vision in a very similar way to the window openings.

The choice of material was also based on a deliberate decision by the architect: the untreated aluminium will oxidise and weather. This is a desired effect which will also occur on other components made of the same material. Brandlhuber has thus made the traces of time and use into a major component of the architecture.



Arno Brandhuber and Timo Klöppel
 Artist Timo Klöppel took a silicone impression of the facade. He used this to craft a cast for the aluminium surface of the letterbox system.



Siedle first opened for business over 200 years ago in a foundry for the Black Forest clock-making industry. This history is also reflected in the anti-villa's door station – a return to the roots of a traditional company.



Aluminium casting
 The mould was cast by a specialist company in the Black Forest. Siedle Manufacture used the blank to produce a door station.

“We used the concept of radical acceptance of existing objects for the product design. Instead of introducing a new material finish for the intercom system, we decided to reproduce the existing GDR sgraffito on the facade.”

Arno Brandhuber



Brandhuber gives history, temporality and adoption a value all of its own in his architecture. By retaining the shell of the building with its typical East German render, he expresses this attitude almost symbolically.

Renovation and retained value

Redevelopment does not only offer creative potential, but also a good deal of ecological and economic potential. Siedle has been aware of this for many years.



Former prison,
Gernsbach

Renovation, retaining existing structures and preservation: you could say that the great significance attached to these topics is inversely proportionate to the actual value attached to them. Absurd was the word used by Munich architect Muck Petzet, who dedicated the German pavilion at the 2014 International Architecture Exhibition to renovation, to describe the widespread contempt for what after all represents almost 80 percent of residential buildings.

He is not alone. The architect Arno Brandhuber demonstrates with his anti-villa near Potsdam that forbearance can be an architectural virtue. He rescued a former factory building from demolition and created living space in it which spreads into the outdoors or withdraws into the interior as the seasons change. An interesting form of the adaptive threshold and a complete reverse to the sort of renovation

which is increasingly based on more and more technology in the form of insulation, ventilation and their control. And all this work requires a good deal of resources which shows that conservation also offers a good deal of ecological and economic potential. Siedle has been aware of this for a long time. We regard our products as the perfect alternative to obsolescence, to planned decay. Renovation references, such as the former prison in Gernsbach, illustrate how Siedle systems contribute to retaining the original character of a building. The communication equipment and the letterboxes at the main entrance were designed to be free-standing so as not to damage the old masonry while the indoor stations were carefully mounted on the walls and the cables were routed in the wall joints.





Group of half-timbered houses in Bad Rotenfels

A main building with an oven building, a barn, a paved yard, a small out-building – the half-timbered buildings were close to collapse, but a large proportion of them with their typical oak beams and clay walls was preserved by means of steadily conducted renovation.

Siedle Service Department

The staff in the Service Department retain Siedle expertise from many decades.



The communication system components made of white painted stainless steel blend into the historic building appropriately.

The potential for conservation is not just expressed in dealing with old buildings. The retention of skills and technologies is another expression of sustainable practice. The staff in our Service Department retain Siedle expertise from many decades.

How long do you go on repairing Siedle devices? Longer than any others.

For a very large number of products we create the conditions which will allow them to go on being repaired for decades. For others we make available up-to-date replacement devices.

This approach is the very best type of sustainability. Even systems which are 30 to 40 years old can generally be repaired. But what is decisive here is not the individual spare part, but the retained value of the system as a whole. For instance, anyone with a G+n system from the 1960s will be able to procure up-to-date telephones and door stations for it.

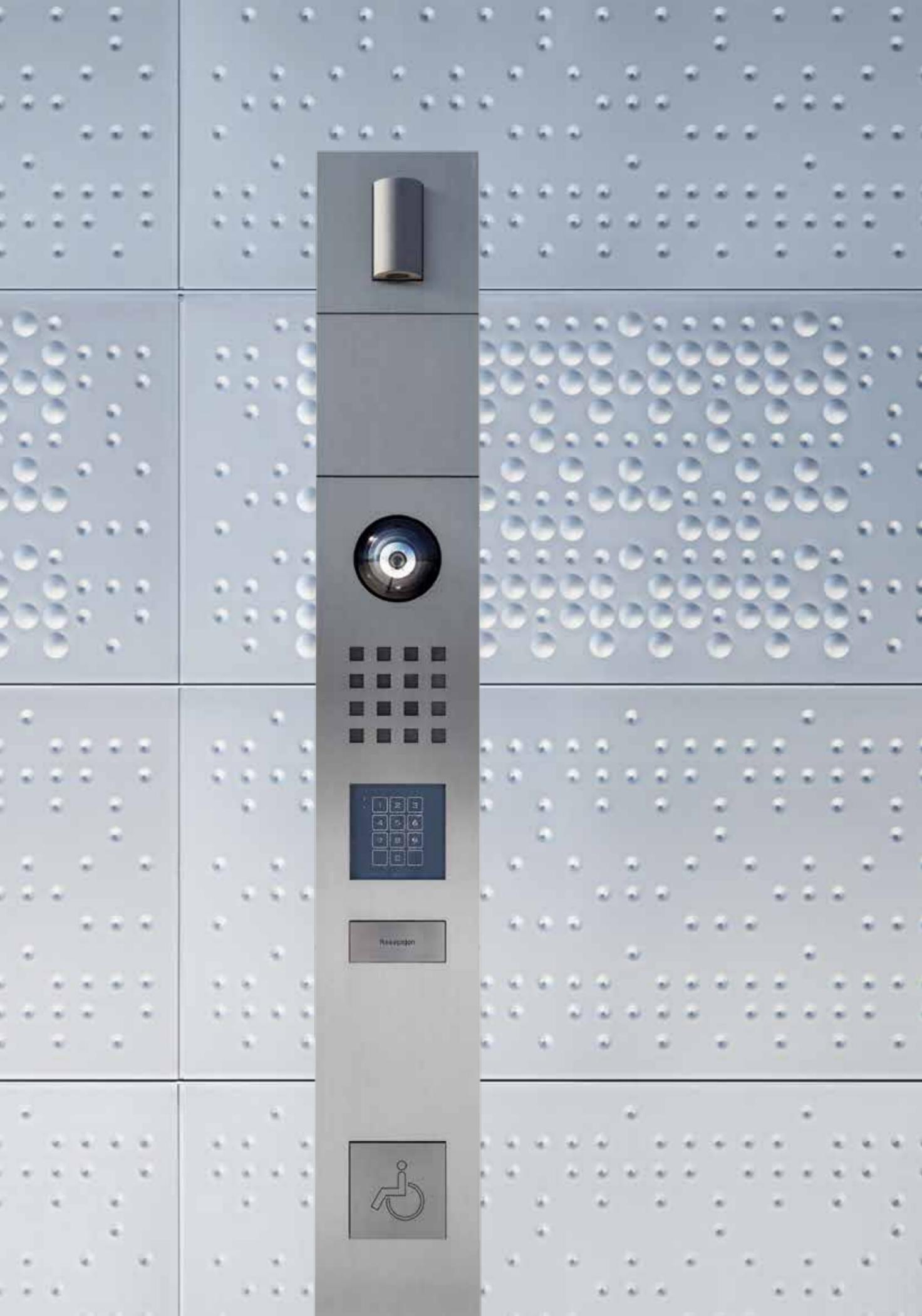
We do not just carry out repairs, but our service personnel also provide our customers with advice because sometimes it is simply more economical to change over to a new system. Siedle also offers a wealth of possibilities for this. With the use of conversion kits and modern bus technology, existing housings and wiring can often continue to be used.

The provision of parts, capacity and machinery to replace products which have been in use for many years naturally costs money. Yet the expense and effort is worthwhile. If a customer contacts our Service Department, we can save him a great deal of money. Siedle protects its customers' investments. This is yet another reason not just to look at the purchase price. The true cost may not become apparent for years and there is a huge difference between replacing a device for a hundred euros in the case of a fault or a whole system for many thousands of euros.

Design for all

Good times for idealists. Things are happening in the world of inclusion. Architects and designers are working on threshold-less entrances and clear orientation systems. The feel and ergonomics of products is again the focus.

Text Oliver Herwig



Oslo Opera House
Architecture: Snøhetta, Oslo

Communication pedestal from the Siedle Steel design line with an additional call button for wheelchair users

1 A small number of mechanical keys with clear symbols – the main functions are immediately recognisable.

Those who visit the Tate Modern in London and pass through the turbine hall are suddenly confronted by what appears to be an endless escalator. It is therefore no surprise that many visitors go straight to the lift to get to the special exhibition or cafeteria. There is a sign in front of the lift encouraging visitors to “celebrate your ability to use the stairs and please give priority to those who need to use the lifts.” Some people smile at this friendly reminder, but it is meant to be absolutely serious. Our world is filled with barriers, (invisible) thresholds, tiny buttons, everlasting menus and illegible signs.

Yet our society is ageing rapidly. By 2030, more than one-third of the population of Germany will be over the age of 60. Mature customers expect more of products; they must be simple, easy to hold and their function must be self-explanatory and intuitive. The key to all this is universal design which gives the same amount of attention to old and young, men and women, technology fans and occasional users. The world should be simple, intuitive and self-evident.

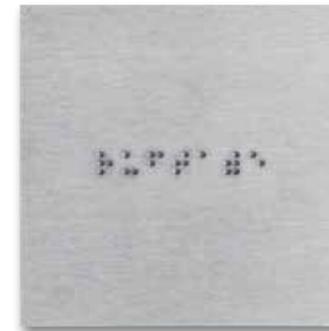
In 1985, the American architect Ronald L. Mace included sociological and design aspects in a campaign in favour of an environment which granted access to everybody. This ingenious inventor, himself a polio sufferer, called this new concept universal design. While in Germany similar concepts have focussed on deficiencies, Mace instead took the positive route. The researcher listed criteria with which he wanted to make products and spaces accessible to all:

- 1 Avoid unnecessary complexity.
- 2 Mark information on the basis of its importance.
- 3 Support a wide range of reading and language skills.
- 4 Provide clear input requests and responses during operation.
- 5 Give due consideration to users’ expectations and intuition.

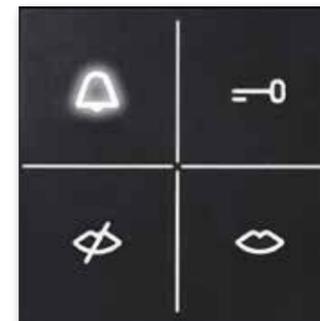
“Universal design” provides us with guidelines to identify good design as well as some replicable principles. Integrate and activate, do not brand and stamp as a target group. And definitely not as old. Those who wish to succeed in the future must offer more than nice little apps to download. Convenience and service will shape our world.

Hearing aid compatibility

A new receiver takes into account the special requirements of hearing aid wearers. The receiver can be connected to the hearing aid by an induction coil so that the wearer can then hear visitors directly through his hearing aid. This technology can be retrofitted to all current in-house telephones. Just like Siedle Scope, the hearing aid-compatible receiver complies with the appropriate standards. It is available as an accessory in white.



3 Siedle can supply keys with Braille symbols for the visually impaired.



4 The backlit symbols on the status indicator show the hard of hearing that a bell has rung indoors, that a voice connection has been established or that the door release has been pressed.



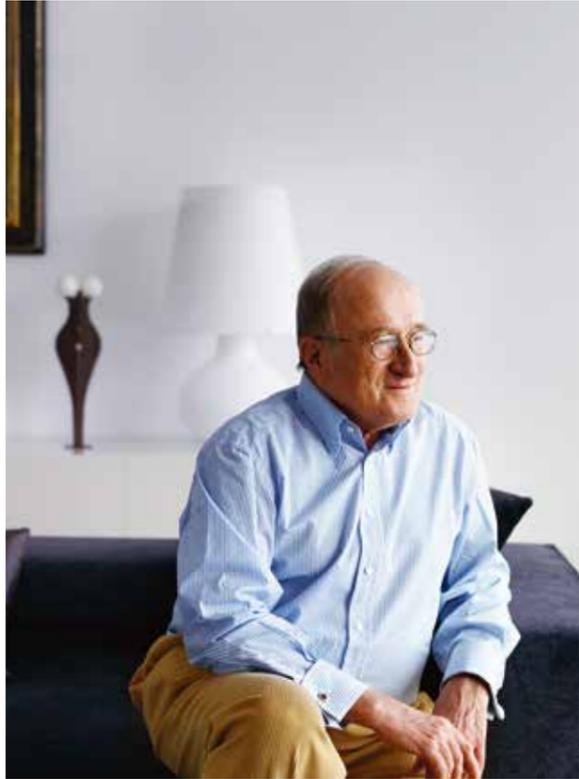
2 The keys for the main functions, speech and door release, are highlighted, which also prevents their accidental incorrect use.



5 Clear contrasts guide your hand to the control elements.

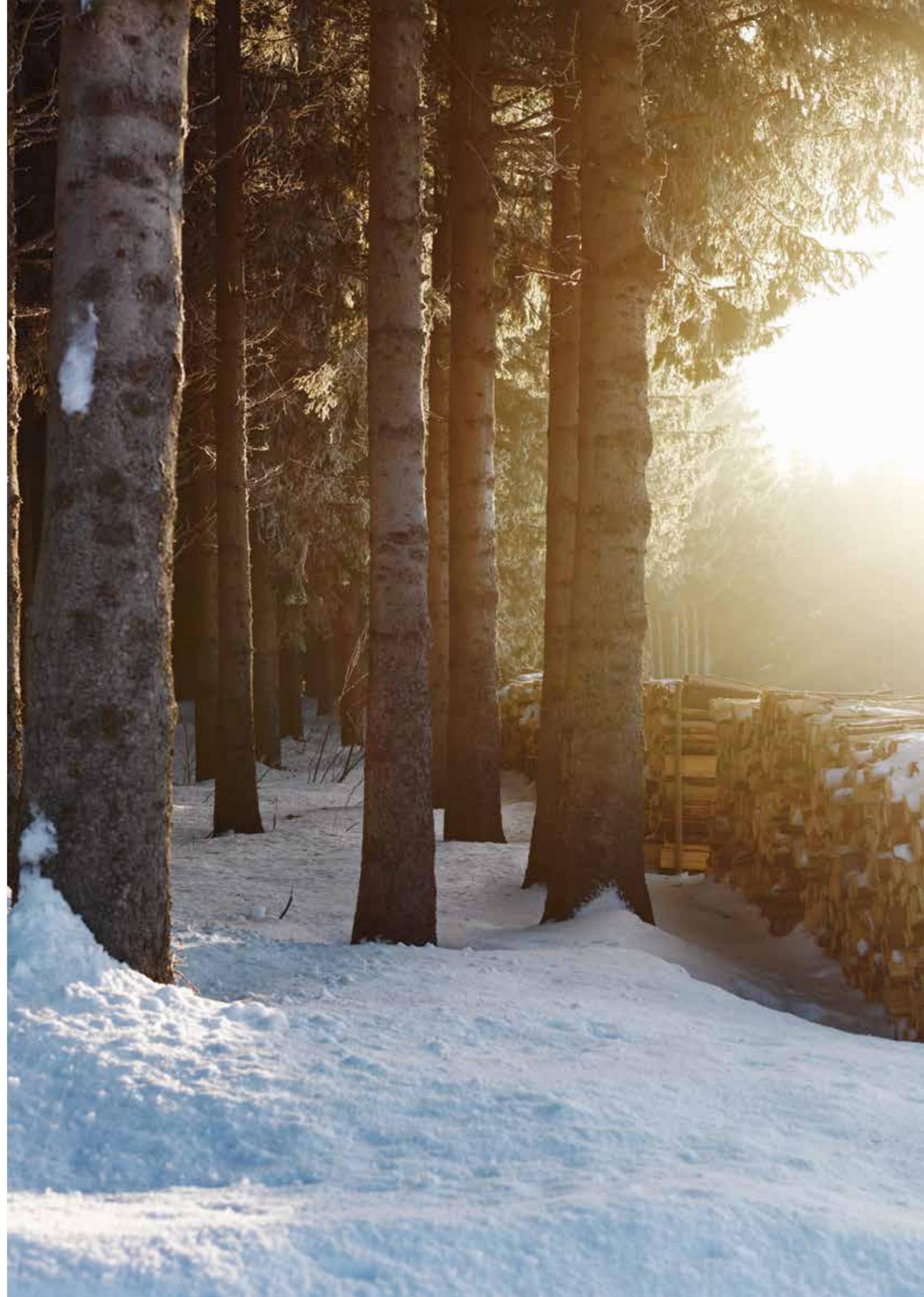
**Furtwangen, Germany**

Siedle's production activities take place exclusively in the location where the company has had its home for more than 260 years – namely in Furtwangen in the Black Forest. At our original location, we can be sure of reaching the optimal level of quality that distinguishes a Siedle product. For the same reason, we strive to keep as many as possible of our processing phases under our control. More than 80 percent of added value is achieved within Siedle's own premises – this contributes to quality assurance, but is also an expression of responsibility for the location and the people there.



Horst Siedle

Siedle is a family-run company, now in its seventh generation. After almost 40 years, Horst Siedle has retired from actively managing the company. Today his wife Gabriele Siedle is Managing Director of the company.





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What will building communication be like in the future?

Within the scope of various joint ventures, Siedle is examining the junction between outside and inside and the question as to how the significance of this threshold will change.



Bauhaus University of Weimar



Models from the "Threshold spaces" seminar held at the Bauhaus University of Weimar



Interim presentation: students explain their designs to seminar leader Till Boettger (right)

Cooperation with the Bauhaus University

What happens when we enter or leave a building? What do people experience then, what role does the architecture play in this and what influence does technology have? These were the questions that architecture students at the Bauhaus University of Weimar looked into. Siedle helped with the design, provided support and took part in the evaluation of the interim presentation.



Mannesmann skyscraper in Düsseldorf, one of Paul Schneider-Esleben's most important projects

Siedle in joint venture with Munich Museum of Architecture

Paul Schneider-Esleben is one of the most outstanding German architects of the 20th century. To celebrate the hundredth anniversary of his birth, the Museum of Architecture at the Technical University of Munich dedicated an extensive retrospective to his creations showing the whole spectrum of his work. Siedle sponsored the exhibition and issued invitations to two exclusive tours and a discussion.



Munich Museum of Architecture: preview before the opening of the exhibition – exclusively for guests of Siedle

ARCH+ features

The close collaboration between the magazine ARCH+ and Siedle, which began in 2009 and has been developing ever since, originated from a common interest in the architecture of the threshold.

Since 2010, Siedle has participated as an initiative partner in the discussion platform "ARCH+ features". With this series, ARCH+ presents innovative architects and authors, who deal with contemporary architectural trends and developments. This cooperation provides Siedle with a view of the current production conditions for architecture and creates important impulses for innovations.

You can find extensive documentation relating to "ARCH+ features" at www.siedle.com.



ARCH+ features 27: 2014 International Architecture Exhibition in Venice

ARCH+ features 23: Folly



Peter Strobel, Director of Corporate Communications at Siedle, at ARCH+ features 41 with Peter Grundmann and Till Boettger

ARCH+ features 37: Nader Vossoughian



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