

# PREMIUM LIVING



Illustration: © Hayes Davidson



**WICONA**<sup>®</sup>  
TECHNIK FÜR IDEEN



» Open spaces  
and a unique feeling

35 XV, 35 West 15th Street, New York, US  
Architect: FXFOWLE  
Producer: Intercom  
Illustration: Williams New York / Alchemy Properties Inc.

People have different ideas about what makes a dream home. Tastes in style, colours and design language differ between individuals and change with time. What we all have in common is that we want to socialise and spend time at home, we want to feel safe. Our homes should be personal and unique, and this calls for solutions that elegantly integrate each element into a whole that is individual and customised.

Our homes should be tailored to suit our individual preferences, as well as the demands that tomorrow will bring. Changing living patterns and digital development mean that we are increasingly looking for bespoke living alternatives, and we place greater demands on design, performance and quality. We require economically and ecologically sustainable solutions that are compatible and blend in with our living environment.

Open spaces and exclusive glazing solutions add character and a sense of freedom to our homes. Quality, design and performance are vital, as are openness and closeness to nature and our surroundings. By making full use of natural light we create transparent and open spaces, with solutions that can be endlessly varied and adapted. The result is a perfect place to relax and socialise with our nearest and dearest. The feeling of being home. A unique home with a unique personality.

WICONA offers exclusive, high-quality windows, doors and facade elements in aluminium, for individual homes with high standards. Building on individual requirements and the architectural design language we create transparent solutions for unique dream homes.

This is WICONA Premium Living.



Maximum light admission creates  
a light and open living environment

# » Living comfort on a higher level



520 West 28th, New York, US  
Architect: Zaha Hadid Architects  
Producer: STAHLBAU PICHLER  
Illustration: © Hayes Davidson

**It is the details that make the difference. WICONA's system products are developed to offer quality right down to the smallest detail. The system is constructed around carefully developed, unique details, which give these products a genuine sense of quality while also meeting market requirements for performance that are well beyond standard.**

Demand for unique, specially designed living solutions continues to grow, and on many projects quality is one of the most important attributes. Projects must deliver at a level that at least matches and preferably exceeds the end customer's high standards. Project solutions from WICONA assure the highest quality, for our standard solutions, and for bespoke project solutions.

Well-engineered designs and technical solutions are the cornerstones that reveal quality every time you see or touch a product from WICONA, whether you look at design,

function or performance. The brand is a mark of quality, showing that solutions meet the highest requirements, right down to the smallest detail. This applies equally from our aluminium profiles and their individual parts, to our wide selection of design hardware, handles and accessories.

WICONA's many years of experience and technical innovation are the foundation for this high level of quality. The brand is a mark of quality which shows that solutions meet the highest requirements, down to the smallest detail.



Carefully developed unique details give our products a genuine sense of quality

**WICONA – the mark of quality for building products**

- Easy to handle and easy to use
- Exceptional living comfort
- Stability and exclusive feel
- Minimal maintenance requirements
- Long life cycle
- Energy-efficient and environmentally sustainable

# » Design that pushes the boundaries



**Every building and home has its own unique design aesthetic and special requirements, and creating an individual design language requires versatile and adaptable solutions. Solutions that create stylish and elegant homes and at the same time put a personal stamp on the building, without being confined by standard solutions.**

WICONA offers transparent solutions for modern living, with virtually unlimited possibilities for individual design expression. Based on the specified project requirements and the client's wishes, an ideal living solution is tailored for each unique building. Our products are elegantly integrated into the building, or create exciting and unique details that add character and individual architectural expression. Always with a sense of quality and transparent comfort.

Fixed or opening glazing elements, windows with a wide range of opening types, doors for exclusive entrances, or even a fully glazed wall? The options are numerous and the possibilities endless. WICONA's system products come with a wide range of design options for handles and hardware, from our own WICSTAR design range. Our hardware adds the finishing touch and harmonises with our product range, giving the building a visually coherent look, down to detail level.

All WICONA products are available in a wide selection of finishes and colours, offering exceptional choice in tonal scale – from elegant and paired back to stunningly colourful. Powder coated, anodised or stainless design features ... The palette is broad!

WICONA's system products open up entirely new possibilities for the unique modern homes of the future. Individual design takes future homes to new heights, with a distinctive sense of quality.

For stylish and elegant living

*WICONA's exclusive product solutions integrate well with WICTEC unitised facade systems. This provides almost unlimited possibilities for the individual design of buildings, since WICTEC unitised facades can be configured to suit each individual project. All products harmonise perfectly with each other and create a visually coherent architectural expression.*



520 West 28th, New York, US  
Architect: Zaha Hadid Architects  
Producer: STAHLBAU PICHLER  
Illustration: © Hayes Davidson

» Performance that  
stands comparison

Wardian London, London, UK  
Architect: Glenn Howells Architects  
Producer: SIPRAL a.s.  
Illustration: Eco World – Ballymore

Many different criteria have to be met when choosing system products. The design and function must naturally meet quality requirements, but compliance with performance criteria is just as important. Products must meet requirements for thermal insulation, resistance to air and water, sound insulation, in some cases special safety requirements such as burglar resistance and fire protection.

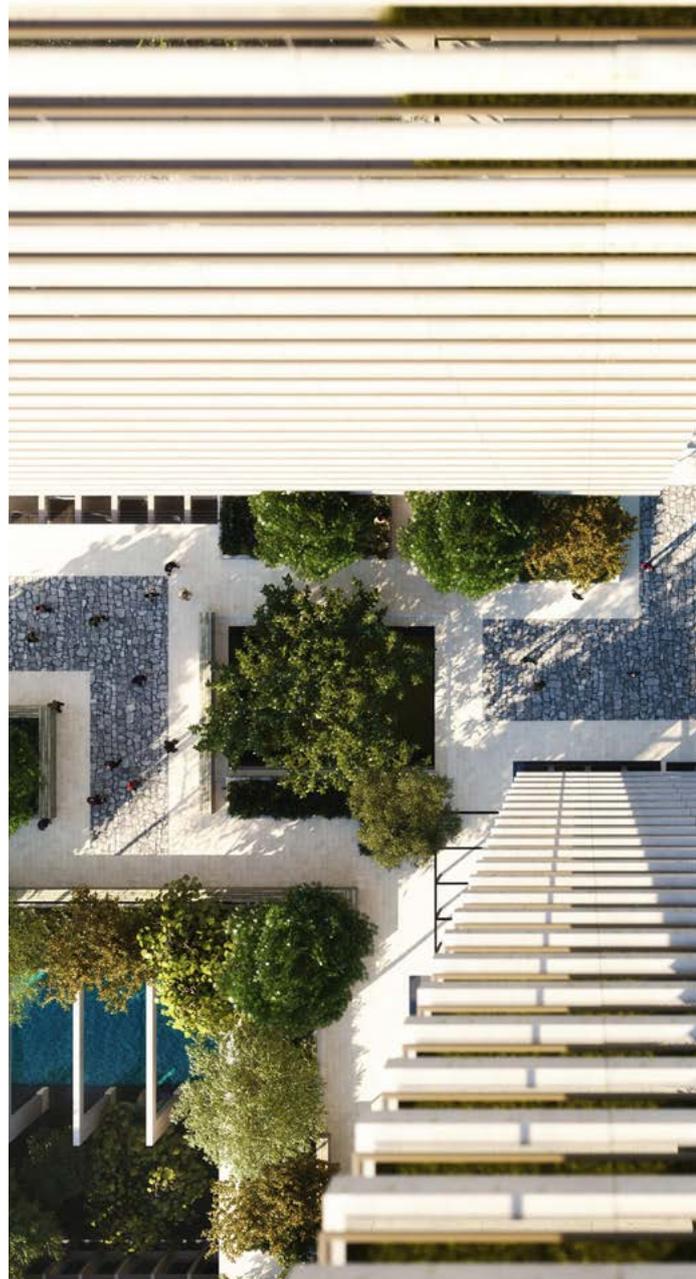
All WICONA products meet high standards of thermal insulation. Reduced U-values across profile sections, together with integrated glazing, allow the best insulation performance to be achieved for the complete glazing solution. Our solutions are designed to meet tomorrow's standards of living comfort, which means they perform better than the market currently requires. They also feature a high level of sound insulation, which is very important in our noisy cities. Glazing elements are also designed to meet the highest levels of air tightness and water tightness.

Enhanced safety features are becoming increasingly common in our homes. Safety solutions such as burglar resistance, fire protection or bulletproofing are easily incorporated in WICONA elements, without compromising the building's visual appearance. This means that safety features are elegantly integrated in homes so they harmonise perfectly with other products.

Our project support team ensures that the right level of performance is achieved for each individual project. Our products are adapted based on the relevant requirements to create a solution that is in harmony with the building.

Performance should be felt, not seen.

For safety, comfort  
and energy efficiency





» In a sustainable perspective

Wardian London, London, UK  
Architect: Glenn Howells Architects  
Producer: SIPRAL a.s.  
Illustration: Eco World – Ballymore

**Building sustainably is essential for the future of our planet, and requirements for environmental certification and sustainable construction are becoming increasingly common in specifications for construction projects. A sustainable approach to architecture includes energy efficiency and climate considerations, and requires a complete picture of the environmental impact of products.**

WICONA constantly aims to lead the market, both in energy efficiency through thermal insulation and long-term durability throughout the product life cycle. The choice of an aluminium profile system is itself a step in the right direction, since aluminium can be recycled indefinitely. A full 95–100 per cent of aluminium can be recycled without loss of quality.

It is also one of WICONA's long-term goals to minimise the amount of material used in our products, for the sake of the environment. With the help of innovative, technical solutions such as ETC Intelligence®, it is possible to reduce the amount of thermal insulation used in profiles without reducing the thermal performance of the product. High-performance thermal insulation also reduces the energy requirements of homes, which benefits the environment and improves comfort.

WICONA has led the way in sustainability for many years and we were the first profile supplier to offer Environmental Product Declarations (EPD). These reports provide a life cycle analysis for building products and are directly generated by WICONA's WICTOP software. The passive house concept and passive house certification have become increasingly widespread in recent years and these are now requirements on certain projects. In simple terms the passive system involves reducing the energy consumption of a building through insulation, weatherproofing and heat recovery.

WICONA offers products that comply with both the passive house standard and passive house certification, and can tailor solutions to specific requirements and wishes. WICONA was also the first system supplier in Europe to start using recycled polyamide in profile insulation that met the same quality requirements as regular polyamide 6.0. This was an important step towards the goal of sustainable construction, and a big advantage for environmentally certified building projects.

## Building the future together



*WICONA is certified to bronze level under the Cradle to Cradle scheme.*

# » Solutions for Premium Living

WICONA offers exclusive, high-quality products for unique living. Our solutions naturally deliver the highest quality and exceptional living comfort. Starting with our standard products, we tailor a unique housing solution based on specific requirements and wishes.

With custom options such as concealed or exposed hardware, a full range of opening solutions, an almost unlimited colour palette, and enhanced features such as integrated solar shading and opening limiter... The possibilities are almost endless.



520 West 28th, New York  
Architect: Zaha Hadid Architects  
Producer: STAHLBAU PICHLER  
Illustration: © Hayes Davidson

Using high-tech solutions and transparent elements, we are building the housing of the future – unique homes that reach new heights.

This is WICONA Premium Living.



# » Project adaptation for unique homes

In the future, increasing demands will be placed on architecture and individual buildings, and this also applies to housing. At the same time, faster construction and cost-effective building processes will be given higher priority.

Tomorrow's building systems must therefore combine energy efficiency and high performance with individuality, functionality and a sustainable approach, within the framework of an efficient and optimised construction process.



Kista torp, Stockholm, Sweden  
Architect: Brunberg & Forshed  
Producer: ScandiFront AB  
Photo: Jan Håkan Dahlström/Bildhuset/TT

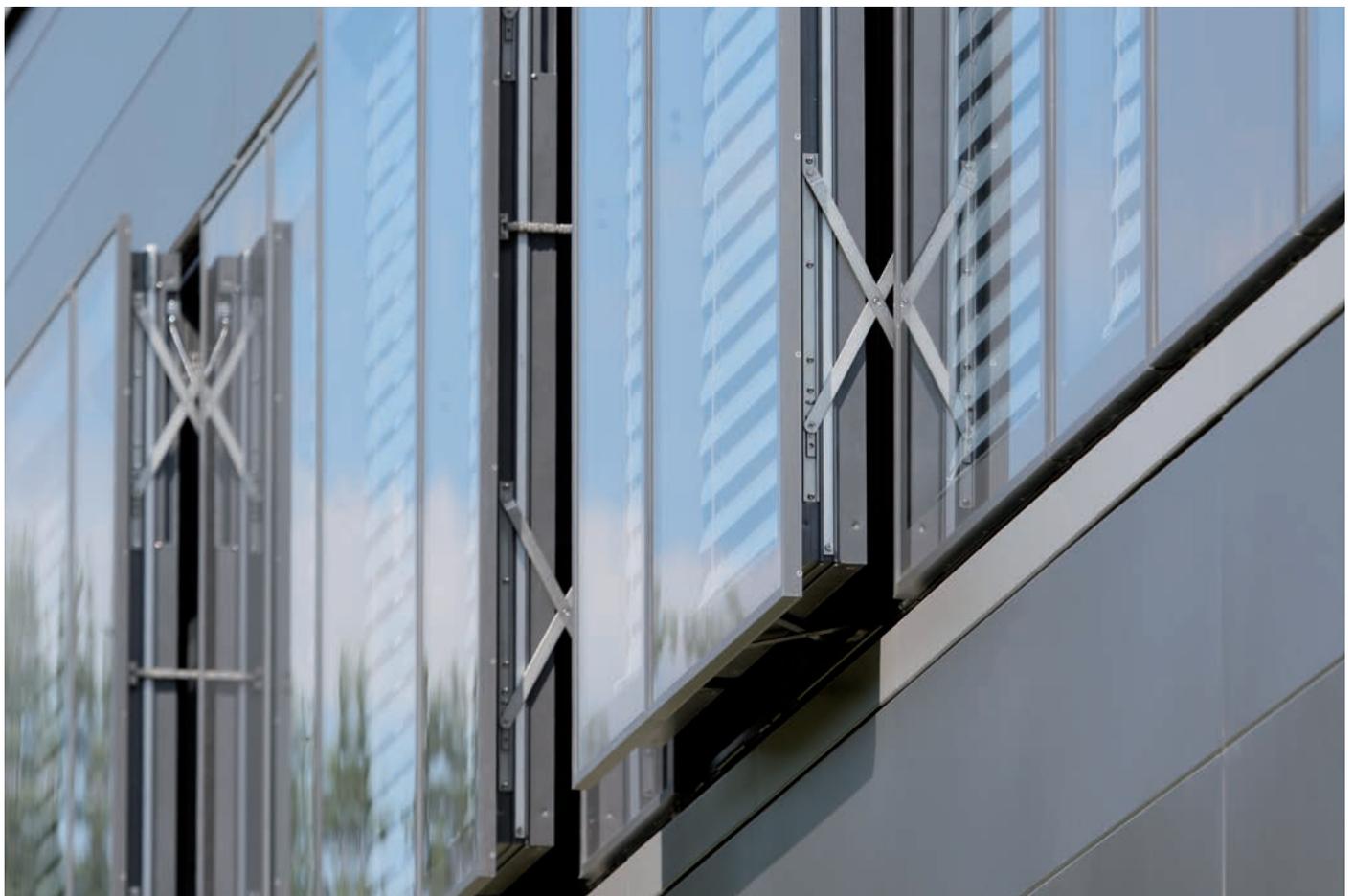
# Custom solutions for individuality and efficiency

## Unique housing with unitised facade systems

WICTEC unitised facade system offers the optimal solution for modern architecture and flexible living solutions. Energy efficiency is combined with innovative ventilation solutions, maximum use of daylight and safety performance. All WICONA system products are easily integrated into our unitised facade solutions, creating a consistent, transparent look and great opportunities for the individual design of homes.

## Opening solutions tailored for each project

As greater demands are placed on our homes this also increases the need for specially adapted opening solutions. WICONA offers a totally new, project-adapted opening type with an innovative sealing technology for sliding doors and windows. The new sealing and hardware technology allows sliding elements to be operated easily with minimal effort. This gives windows and doors excellent weatherproofing performance without compromising on function or design. This solution can also be supplied in challenging dimensions.

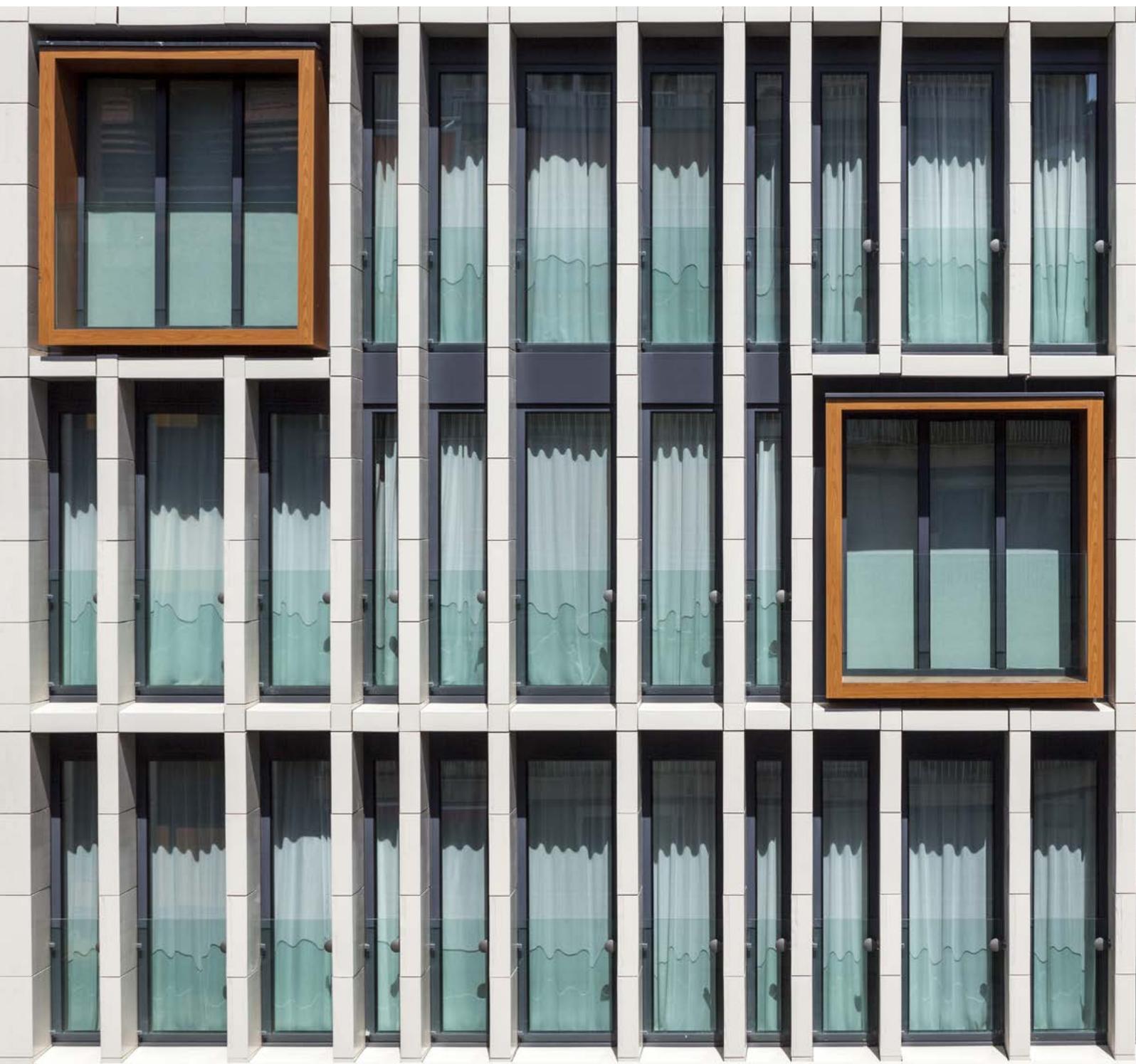


# » Window systems for more character

WICONA's exclusive WICLINE window system is the ideal solution for sophisticated architecture. Its opening units are easily integrated into an existing facade or new construction, and the system comfortably meets key requirements such as safety, thermal insulation and sound insulation. To create an unbroken visual and architectural expression, WICLINE window units can be integrated into a fully glazed facade.

This complete series of windows offers the majority of opening types and a wide selection of hardware and handles.

There is a wide range of design possibilities and the units can be adapted to suit needs and relevant requirements.



# Wide range of windows means great choice in design and functionality

## Our premium all-round window

**WICLINE 75 evo** is one of our most versatile and adaptable window systems. The opening units can be easily adapted and integrated into existing housing environments. The flush exterior and wide choice of opening types make WICLINE 75 evo the perfect window solution, regardless of function, opening type or design.



## A highly insulated window with narrower profile depth

**WICLINE 75 TOP** is a highly insulated window system with optimal performance and flush, architecturally appealing design. The window system offers thermal insulation down to passive house level, elegantly combined with a slim profile depth of 75 mm – while maintaining the same look and flexibility as the WICLINE 75 evo standard system.



### A window that maximises light admission and gives panoramic views

**WICLINE 75 Maximal** is the window solution for maximized daylight admission and the best view of the surroundings. While offering the same high performance as the standard WICLINE 75 evo this window system combines very slim profiles and great design freedom. The system also offers very good thermal insulation properties.



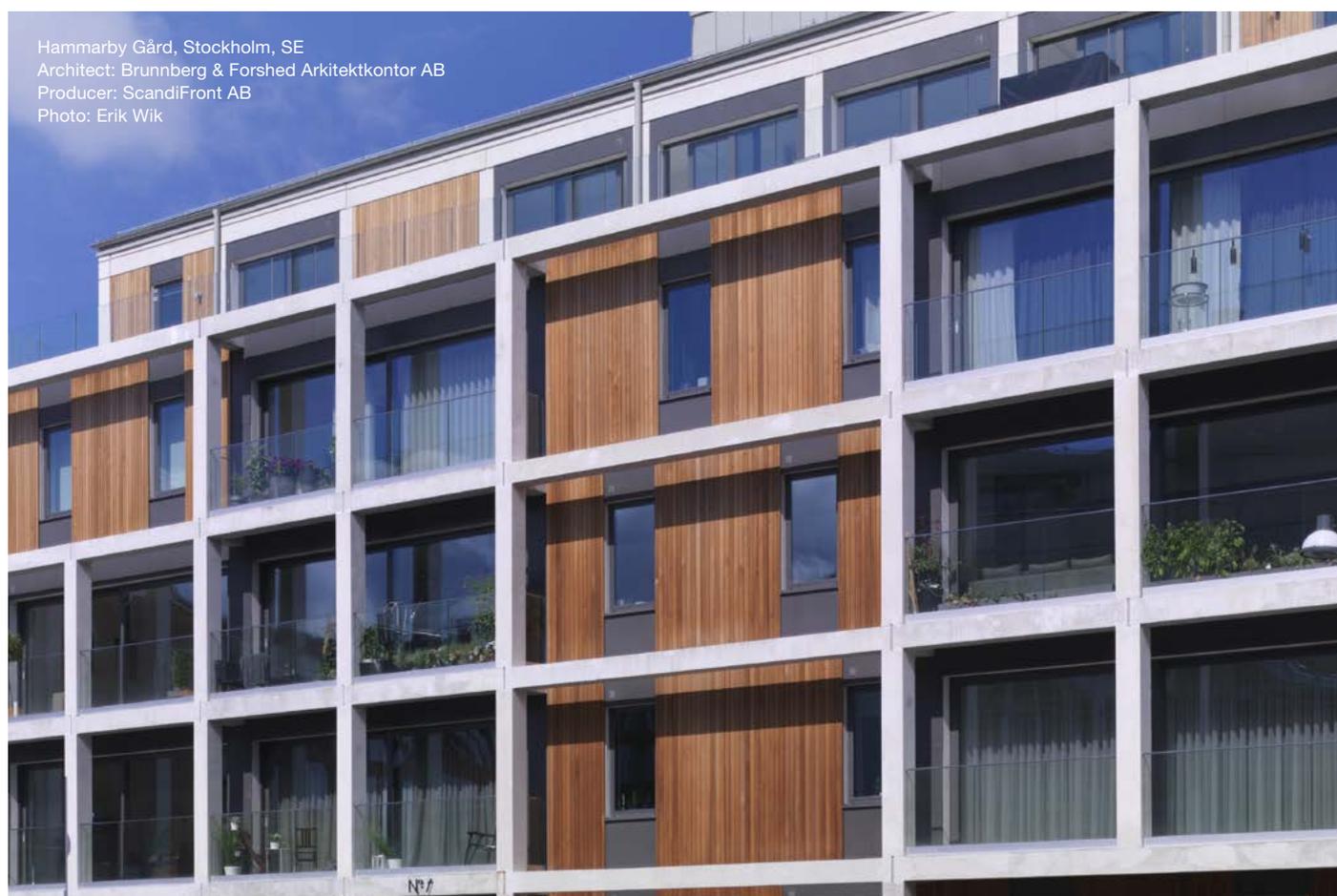
### A highly flexible passive house certified window

**WICLINE 95** is a window system that achieves passive house certification without additional insulation, according to Passive House Institute Dr. Feist in Darmstadt. With a slim profile depth of 95 mm and a sight line of 125 mm this window solution is especially suitable for homes with enhanced levels of design and energy performance. Thanks to innovative modular technology the individual components of the window can be customised to suit the project, providing the most versatile window solution.



### Coupled window with integrated blind system

**WICLINE 115 AFS** is a coupled window system for homes with especially high standards of thermal insulation and sound insulation. With its concealed, fully integrated ventilation filter, this window system noticeably enhances living comfort, while solar shading can be elegantly integrated into the window design. The opening sashes facilitate cleaning and maintenance.



Hammarby Gård, Stockholm, SE  
Architect: Brunnberg & Forshed Arkitektkontor AB  
Producer: ScandiFront AB  
Photo: Erik Wik

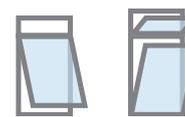
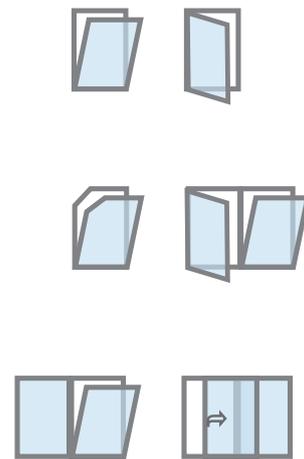
## Hardware and opening types

Installing opening glazing and ventilation units in a facade significantly improves the comfort level of a building and is often a requirement for housing projects. WICONA's WICLINE window system offers a complete range of versatile options for inward and outward opening windows, as well as different design variants.

Our own WICSTAR design range assures the highest quality and practicality, and an exceptional choice of options. Hardware can be standard or concealed and windows can be manually operated or motor-driven. Almost any conceivable combination of opening type and design is available. An extensive range of optional features allows opening glazing units to be fully customised to suit requirements and wishes, to create sophisticated architecture and a high level of comfort.

### The following opening types can be offered:

- Side-hung, tilt/turn, turn windows
- French windows (double windows without dividing post)
- Concealed sash windows
- Asymmetrical/arched windows
- Pivot window, horizontal or vertical
- Top-hung sash windows, outward opening
- Top-hung sash windows "senk-klapp", outward opening
- Skylight window, outward opening
- Parallel vent windows, outward opening
- Parallel sliding windows/doors (PSK)
- French doors, inward/outward opening



*Integrated, discrete opening limiter*



*Type of opening can be adapted to suit requirements*



*Quality in every detail with our WICSTAR design range*



*Handles and fittings in matching designs*

# » Exclusive door systems in stylish designs

WICONA's extensive door system creates stylish entrances that harmonise with the aesthetic design of the building. Door solutions are easily integrated into the existing facade and are also ideal for new buildings. The comprehensive profile system combined with matching hardware offers a high degree of flexibility in function, design and performance. The wide choice of options allows you to create a unique and welcoming impression. Visually attractive design, infills in a choice of

glazing or solid panel, designer handles, various hardware options, with fanlights or sidepanels – WICSTYLE door systems meet the highest design requirements. Our well-proven profile designs deliver optimum thermal insulation down to passive house level, as well as effective sound insulation.

WICSTYLE door solutions are customised to match your requirements and wishes, to create a stylish first impression.



# A stylish encounter

## Door solutions that optimise function, design and performance

**WICSTYLE 75 evo** is a door system that offers complete versatility. With its 75 mm profile depth, WICSTYLE 75 evo leads the way in thermal insulation, weather resistance and functionality. The extensive range of options creates a unique and individual first impression at the entrance, making WICSTYLE 75 evo the ideal door solution.



## Exclusive entrance doors that eliminate the bi-metal effect

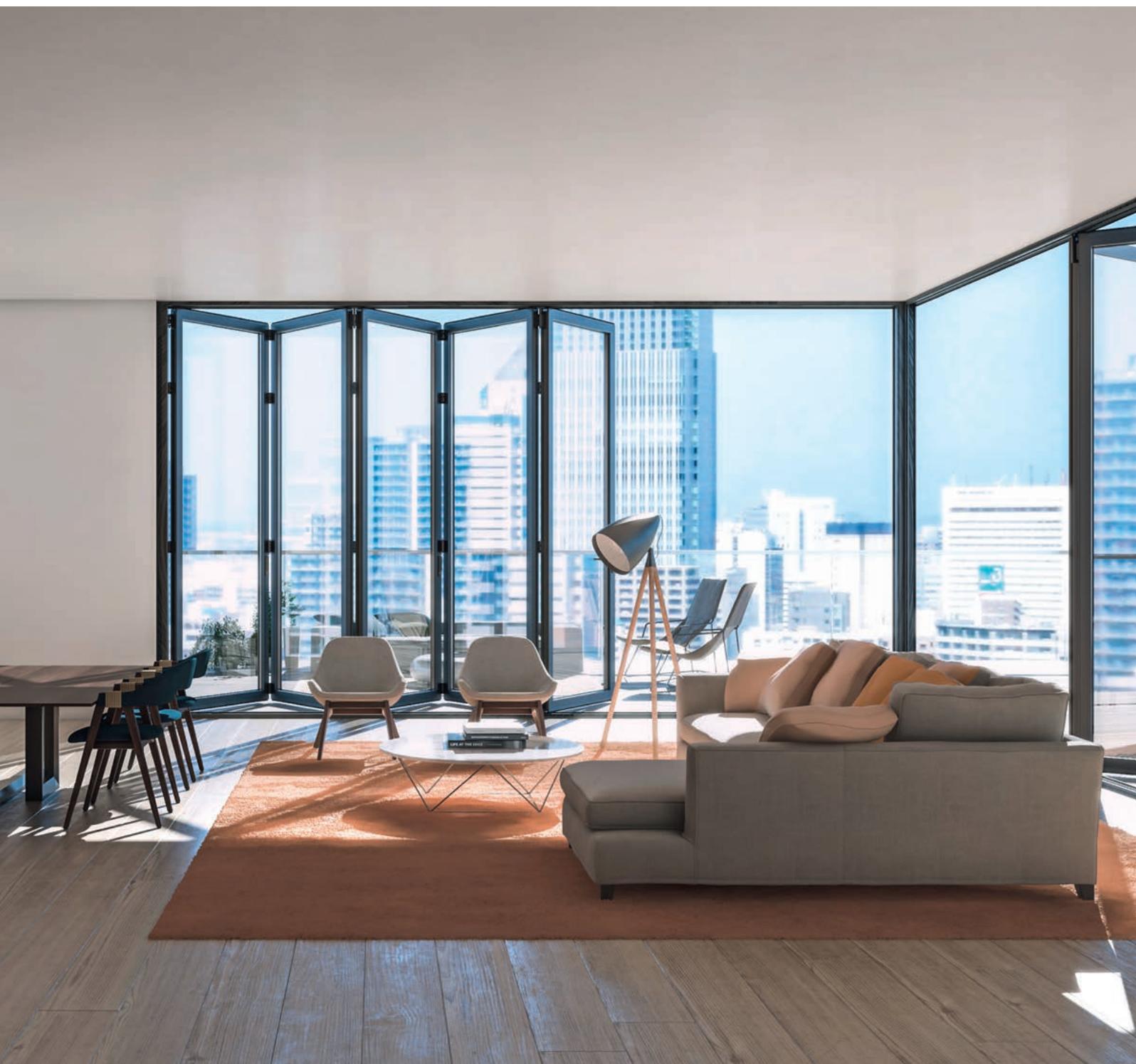
**WICSTYLE 75 evo panel doors** give buildings a stylish first impression. The flush, unbroken design creates a door solution that is free from distracting details. WICSTYLE 75 evo panel doors are available as single-leaf or double-leaf, with inward or outward opening and in burglar-resistant performance RC1 to RC3. The system also features innovative technology that eliminates the problems of the bi-metal effect.



# » Sliding- and folding door systems for transparency

WICONA's high-quality WICSLIDE sliding- and folding door solutions let you open up rooms on to the surroundings and nature. The system are operated very easily and quietly, thanks to high-quality hardware and rails, combined with perfectly optimised roller technology. Choose from double and triple tracks, as sliding, lifting-/sliding or folding-/sliding

combined with fixed glazing elements. All systems offer slimmer aluminium profiles to maximise light admission. To create the optimal solution for each building, WICSLIDE sliding- and folding door solutions can be customised to suit individual requirements. A custom solution allows unique living solutions to be realised all over the world.



# Giving daylight free access

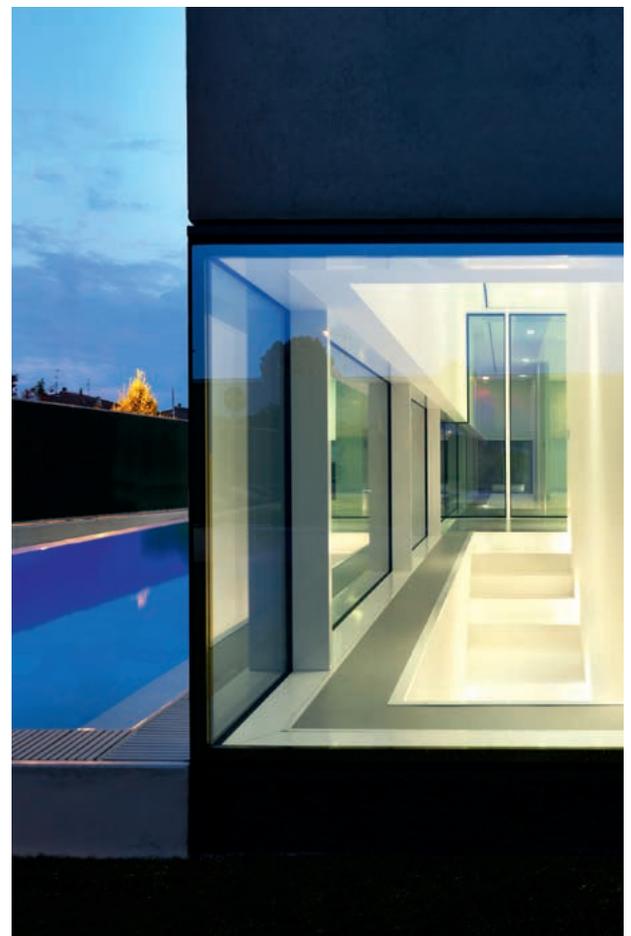
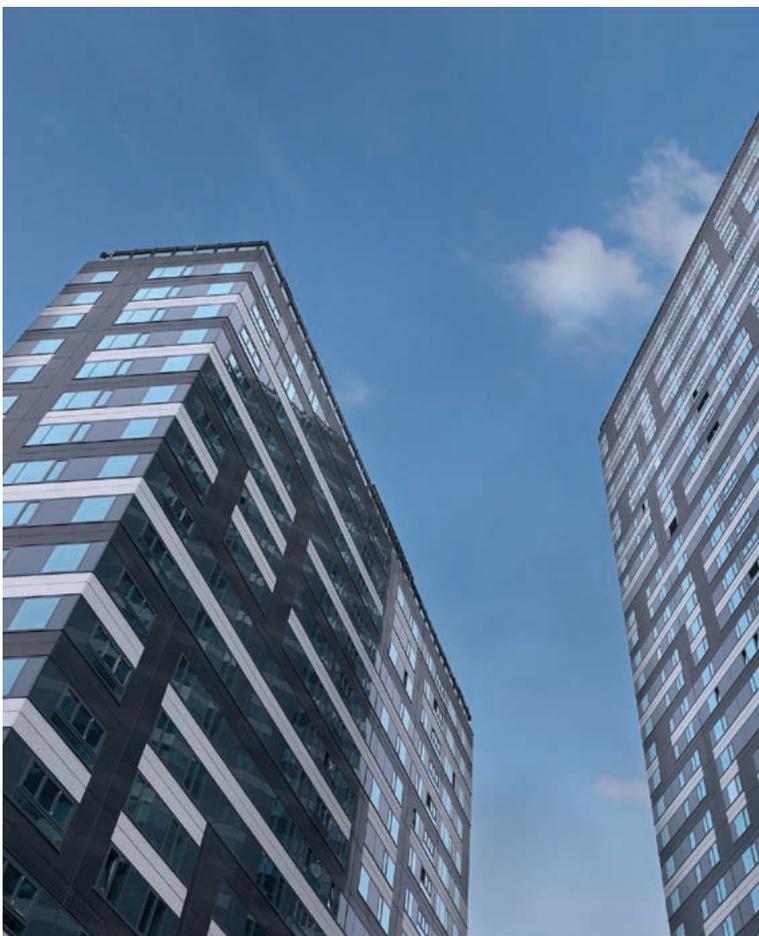
## Folding doors that maximise the open span

**WICSLIDE 75FD** folding doors are the ideal solution when you want to maximise the open span, or where there is limited space for the opening units. Thanks to its excellent technical performance, WICSLIDE 75FD is the perfect solution for use in an insulated exterior wall. All the components are available in the same colour shades, to create a visually coherent system. Large glazing elements allow the room to be opened up completely, making it a natural part of the surroundings.



## Highly insulated and aesthetically appealing sliding doors

With its unique design details, **WICSLIDE 160** combines excellent thermal insulation with maximum functionality and aesthetics. The ability to use large sash dimensions and the ease of operation guarantee maximum customer satisfaction. The latest technology and innovative manufacturing advantages make WICSLIDE 160 a technically advanced product that sets new standards.



# » References

WICONA Premium Living opens up unique possibilities for individually customised homes, both locally and around the world.

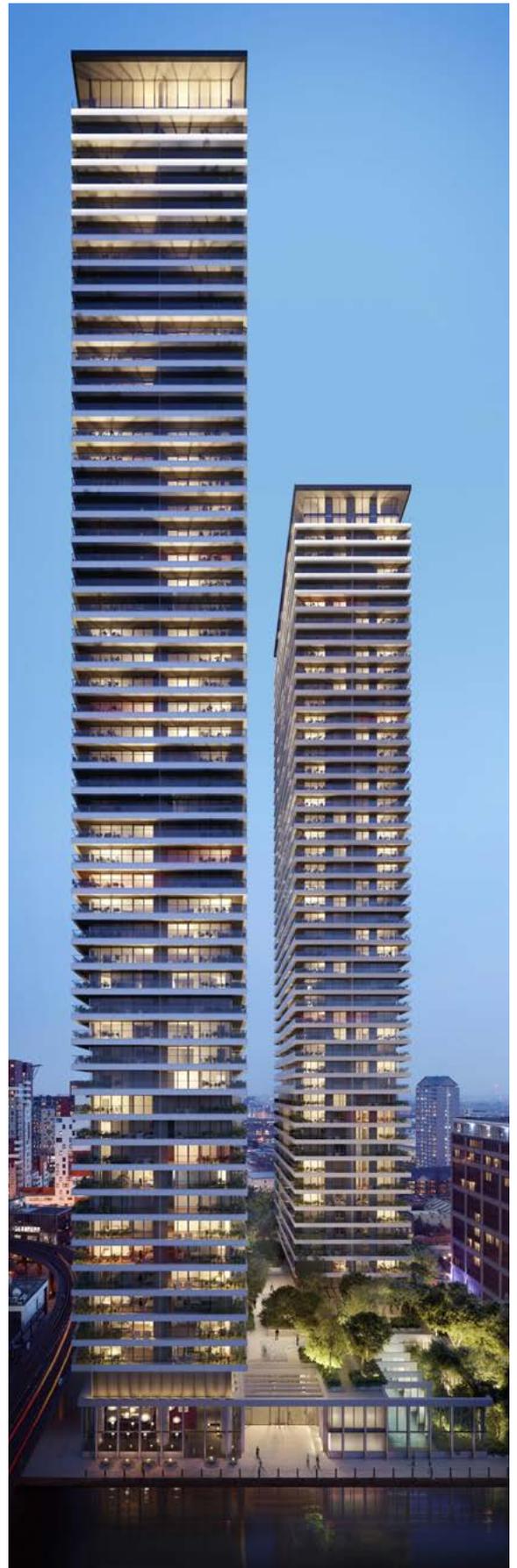
Would you like inspiration and see other projects that have been realised with WICONA's solutions?

Visit our reference library at [www.wiconafinder.com](http://www.wiconafinder.com) and get access to a wide range of exciting projects around the world.



## 520 West 28th

Location: New York, US  
Architect: Zaha Hadid Architects  
Producer: STAHLBAU PICHLER  
Facade: Specially adapted project solution  
Illustration: © Hayes Davidson. Courtesy of Zaha Hadid Architects.



## Wardian London

Location: London, UK  
Architect: Glenn Howells Architects  
Producer: SIPRAL a.s.  
Facade: Specially adapted project solution  
Illustration: Eco World – Ballymore



**35 XV, 35 West 15th Street**

Location: New York, US  
 Architect: FXFWLE  
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 Facade: WICTEC EL  
 Photo: Williams New York / Alchemy Properties Inc.



**Hammarby Gård**

Location: Stockholm, SE  
 Architect: Arkitektkontor Dinell Johansson  
 Producer: ScandiFront AB  
 Products: WICLINE 65, WICLINE 65 French window, WICSLIDE 160  
 Photo: Erik Wik



**Hammarby Gård**

Location: Stockholm, SE  
 Architect: Johannes Norlander Arkitektur AB  
 Producer: ScandiFront AB  
 Products: WICLINE 65, WICLINE 65 French window, WICSLIDE 160  
 Photo: Erik Wik



**Kista torn**

Location: Stockholm, SE  
 Architect: Brunnberg & Forshed Arkitektkontor AB  
 Producer: ScandiFront AB  
 Products: WICLINE 75 evo, WICSLIDE 65FS, WICTEC 50  
 Photo: Erik Wik

# » Project support

## Project support and specially adapted solutions

The WICONA support team has many years of experience, and will support you throughout your project, from start to finish. Our design engineers will assist and advise you on choice of profiles, planning, technical design, calculations, project adaptation and drawings.

Countless housing projects of various sizes have been realised worldwide with WICONA unitised facade systems and system products.

Contact us so we can tell you more about how you can benefit from WICONA's exclusive, customised solutions for unique living. Together, we ensure that your project is implemented efficiently and that your WICONA products give you the optimum results you expect.

With our know-how and local support team, you can rely on us throughout the whole process, whatever the nature of your project.



## Contact us for advice and project support:

More information about our products and project support is available on our website at [www.wicona.com](http://www.wicona.com)

You can also access an extensive, global library of projects at [www.wiconafinder.com](http://www.wiconafinder.com).

WICONA Finder can also be downloaded as an app for your mobile phone or tablet – free of charge.

## All the material you need in one place.

Via WICTIP, WICONA's technical information platform, users have access to WICONA's entire database of drawings and technical documentation. We have compiled all the material in a single platform to give our users simple, practical access to up-to-date information and complete documentation regarding our system products.

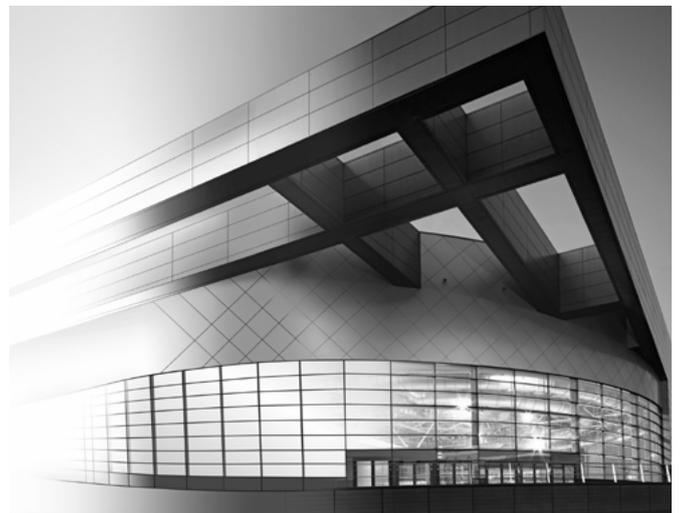
Visit [www.wictip.com](http://www.wictip.com) and get access to material that will make your daily work easier.



## Tools for an efficient planning process

To facilitate and speed up the planning process, WICONA provides access to a wide range of available BIM objects. Having access to finished BIM models allows projects to be designed and created faster and with maximum precision. WICONA's WIC3D drawing tool offers new possibilities for creating 2D and 3D facade designs. The software can also be used as a BIM configurator.

All our high-quality WICONA models are available in various formats (Autodesk Revit, ArchiCAD IFC), and can be downloaded via the WICONA website.



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