



CATALOGUE OF BEAUTIFUL THINGS



**The desire of construction investors to have spatially, time- and cost-efficient housing estates and optimally designed industrial, office or other buildings built are the main motives when planning new construction projects. Another important feature is also increasingly coming up in enquiries: beauty.**

Modularity, space and light – within the framework of modern prefabrication technology, designers use these guidelines of Le Corbusier's ideas. Pekabex works together with internationally and nationally renowned design studios and developers, as well as small offices. The innovations they seek involve engineering, utilitarian and artistic curiosity in construction solutions. The introduction of new techniques and materials, such as non-metallic reinforcements, low-emission cements, ceramics or wood, adds variety to the townscape while promoting sustainable construction.

There is also interest in the holistic application of the complete *Pekabex® Residential Buildings System*, and not just individual prefabricated construction elements such as balconies, ceilings or stairs. Three-layer walls with bricks or formliner textures in straight, curved and convex shapes; moulded in-colour elements and architectural concretes, are the most highly valued products offered by Pekabex due to their excellent quality, time-consuming manufacture and the advanced specialisation of our employees. No less interesting are the simple concrete walls, which are not covered with plaster or paint on the inside. They give the flats and communal spaces with a trendy loft character their unique appearance.





# Catalogue of beautiful things

Construction, architecture and urban planning are closely intertwined. Focusing on planning, design and the creation of spaces and infrastructure that meet people's needs, they combine functional, aesthetic and environmental aspect

Pekabex's design team - one of the best construction teams on an international scale - is involved in designing not only large-scale structures such as stadiums, stations and tunnels, but also conceptual work on urban residential quarters. Along the streets, in cities such as Stockholm, Malmö and Berlin, we find one diverse and yet coherent, architecturally beautiful building after another. The qualities that attract our clients to prefabrication are: safety and speed of assembly, quality and sustainability, but also cooperation with experienced Polish constructors working with European standards and BIM systems.

The large scale of operations allows Pekabex to offer tailor-made products, creating completely new solutions. We encourage you to create completely new ideas with us today.

*Tomasz Seremet*

Tomasz Seremet  
President of the Management Board of Pekabex BET SA





G E R M A N Y

B E R L I N | H A M B U R G | F R A N K F U R T | M U N I C H

R E S I D E N T I A L B U I L D I N G S / S C H O O L









# A M T A C H E L E S

Building type: residential  
Client: Hochtief Infrastructure GmbH  
Location: Berlin, Germany

Am Tacheles is an extraordinary place and space in the heart of Berlin – one of the largest inner-city construction projects in the German capital. A new urban quarter has been created here with flats, offices and commercial spaces located in 10 buildings around green public squares.

The structural elements of the Am Tacheles estate have become an opening to a new perception of architectural concrete. Pekabex produced white architectural concrete balconies for this project.











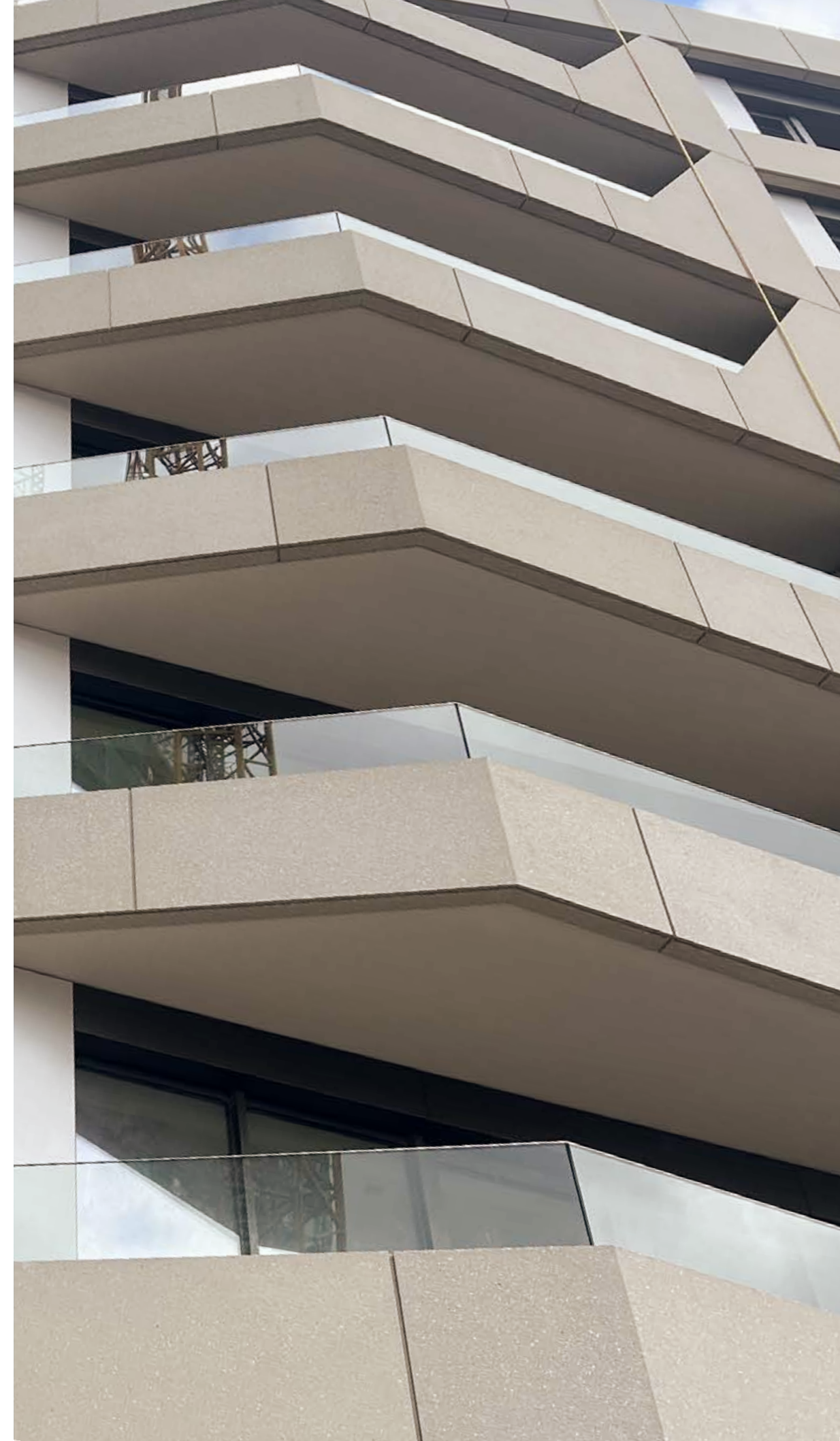
## A M S T R A N D K A I

Building type: residential  
Client: PE Strandkai GmbH & Co. KG  
Location: Hamburg, Germany

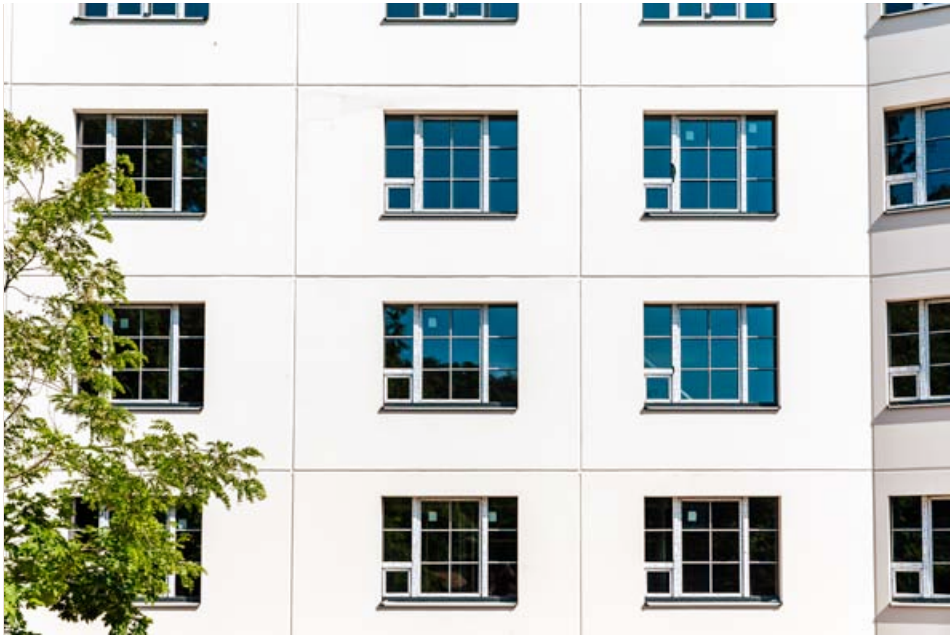
The Am Strandkai project in Hamburg blends in with its character in the surroundings of the unusual facades of the neighbouring buildings. Etched elements of high-strength white concrete, with a complex geometry, can be observed from the corridors of the Elbphilharmonie gallery, located opposite this prestigious building. We owe the unique effect of the technological process of their manufacture and assembly to our many years of experience and continuous improvement.











## F E R D I N A N D S H Ö F E

Building type: residential  
Client: VariWo GmbH & Co. KG  
Location: Frankfurt (Oder), Germany

Centrally located, between the train station and the European University Viadrina, there is a 19th-century building complex that has been renovated in 2020 and complemented by a new, elegant building: Ferdinandshöfe. It is an ideal place for students to live.

The design was adapted to the densely spaced neighbouring buildings. The assembly of the elements took place directly from Ferdinandsstrasse, making it necessary to closely coordinate site work and transports with the prefabricated elements.

Prefabricated walls are becoming increasingly popular in the construction industry due to their efficiency, speed of installation and quality of construction. This technology makes it possible to significantly accelerate the construction process, which is extremely important in the erection of buildings such as dormitories. Pekabex designed, manufactured, supplied and installed prefabricated elements such as painted and brick-finished three-layer prefabricated walls. These walls consist of the structural layer, the insulation layer and also the façade layer.











## PRIMARY SCHOOL

### CARL - MARX - RING 63

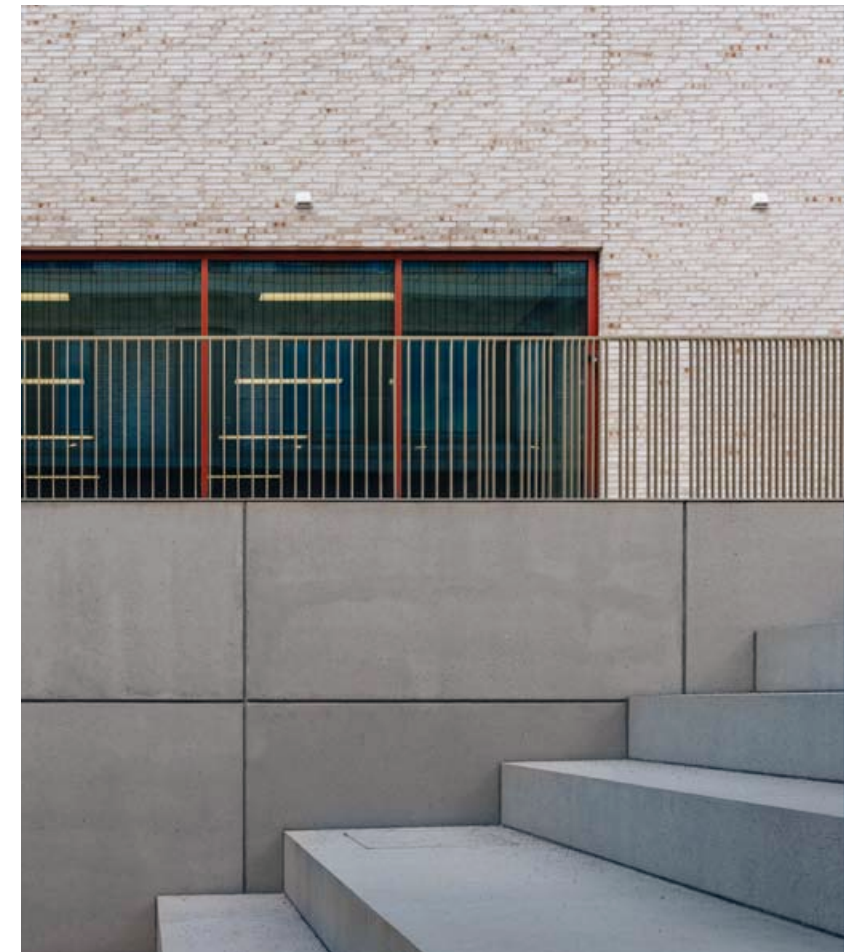
Building type: school and nursery school  
Client: City of Munich  
Location: Munich, German

The City of Munich has ordered the construction of a new five-class primary school building with a three-part sports hall, underground parking, a singing and music school, 2 crèches, 2 pre-school groups and an after-school group.

As part of the order, we installed the balcony grates of the primary school building, as well as the balconies of the nursery school. We provided stands and courtyard walls and attics for all buildings. We built the stands of the sports hall.









S W E D E N

M A L M Ö

OFFICE | RESIDENTIAL BUILDINGS









## EPIC, MALMÖ

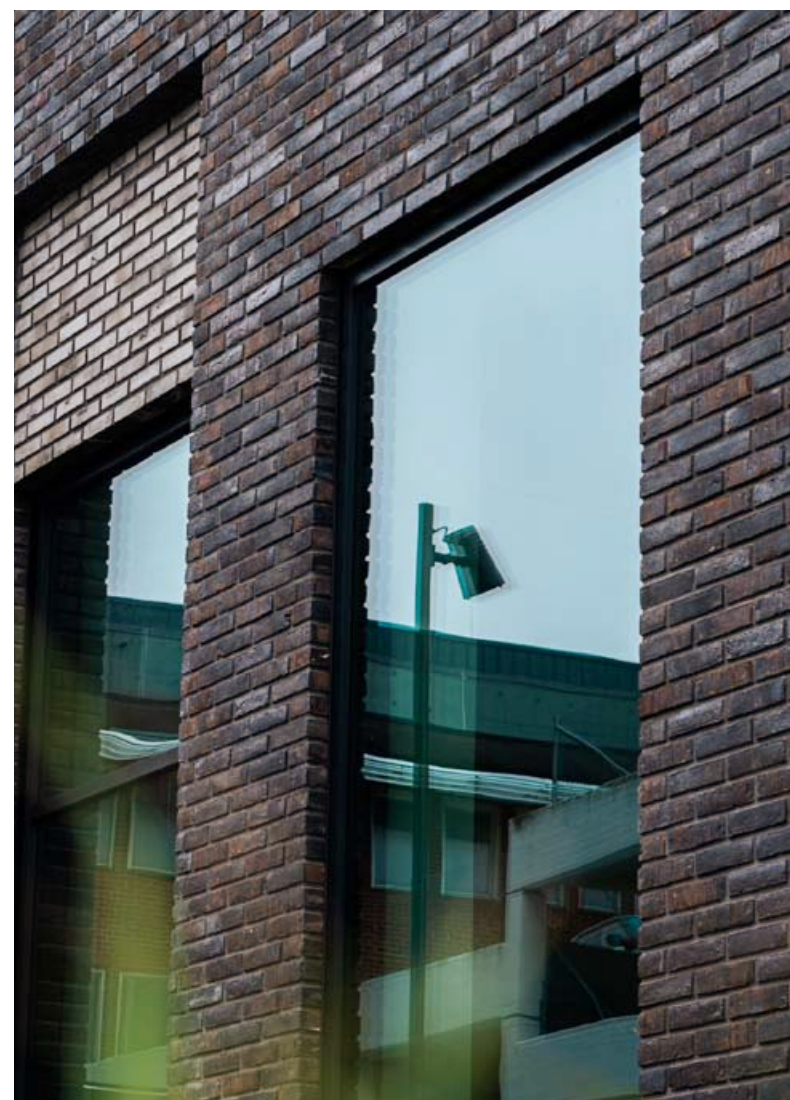
Building type: office  
Client: Skanska  
Location: Malmö, Sweden

A facility described as the office of the future. Designed with human well-being in mind, it is internationally WELL-certified for a healthy working environment.

The external brick walls are three-layer prefabricated elements made at the Gdansk branch of Pekabex. The architects were inspired at their creation by early 20th century port towns and brick warehouses on the nearby waterfront.











## T H E   C O R N E R

Building type: office  
Client: Smidmek  
Location: Malmö, Sweden

Modern office spaces The Corner has been designed for both casual and flexible working. The roof terrace is accessible to employees and their guests. The most striking part of the design is the façade sandwich walls with unique with formliner shapes. In collaboration with concrete formliner supplier Reckli, Pekabex manufactured and supplied: walls with formliner textures, interior walls, columns and beams.











## TRÄFÖRRÅDET

Building type: housing estate  
Client: Smidmek AB  
Location: Malmö, Sweden

The proximity to the water and the city of Malmö has influenced the popularity of the Varvsstaden district, which has been expanding rapidly for several years.

The Träfförrådet housing development demonstrates the potential that prefabricated walls have when combined with other materials. In the case of this site, the focus was on the vision of the architect and to emphasise the building's elegance, a combination of brick facades with vertical stripes, walls with formliner textures and solid walls were used, with high strength and insulation, providing residential comfort and integrating harmoniously with the surroundings.











## L I M H A M N   S J Ö S T A D   C E M E N T E N

Building type:    housing estate  
Client:            Skanska Sverige AB  
Location:          Malmö, Sweden

The Cementen housing estate was created as part of the transformation of a factory site into a mixed urban estate. In Limhamn harbour, streets, parks and a quay were designed next to the silos of the former cement works.

As part of the project, the Pekabex team demonstrated their professionalism and experience by designing, manufacturing, supplying and installing painted three-layer walls, two-layer walls, filigree slabs, balconies, columns and beams. Brick façade elements were added to the finished prefabricated walls already on site.









M A S T H U S E N

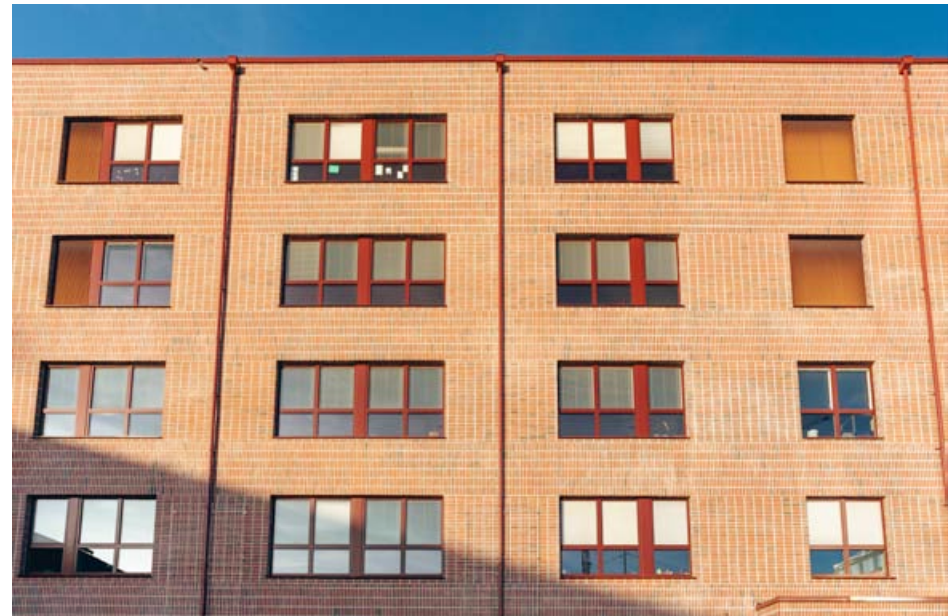
Building type: residential, garage, nursery school  
Client: NCC Sverige AB  
Location: Malmö, Sweden

The City of Malmö, the developer and the other partners of the newly built Masthusen area actively collaborated under the common goal of BREEAM Communities international sustainability certification to agree on aspects of design and planning, responsibility and implementation. The project was awarded a BREEAM Very Good rating, becoming the first housing development in the Nordic countries to achieve BREEAM Communities certification. It includes a number of requirements for the way the site and houses are developed, for example regarding energy consumption, in-house energy production and crops on roofs or in courtyards.

Pekabex was involved in the construction of the residential building (sandwich walls painted in the factory, rounded balcony railings) together with the garage (red moulded-in-colour elements) and the nursery school (half-sandwich walls, bricks added on site).









S W E D E N

S T O C K H O L M

R E S I D E N T I A L   B U I L D I N G S









TELEGRAFBERGET:  
BRF KAJEN I BRF FYRHUSEN

Building type: housing estate  
Client: HSB Bostad AB  
Location: Stockholm, Sweden

The Kajen and Fyrhusen estates are located on a site with a beautiful view of the bay that connects Stockholm to the Baltic Sea. On the rocky terrain of Telegrafberget hill, Pekabex has built three buildings, each with two staircases and a two-storey garage.

Insulation and façade elements in weathering steel were added to the prefabricated structure on site.









## TOLLARE MARINA I TOLLARE TERRASS

Building type: housing estate  
Client: NCC Sverige AB  
Location: Stockholm, Sweden

Tollare was once known for its paper mill, a typical red brick factory building right on the waterfront. Visually consistent with it, the estate has been fitted with sedum-covered roofs, providing water absorption and views of the greenery.

The Tollare Terrass project is a residential complex that is a continuation of the Tollare Marina project. It consists of five buildings and is connected to the centre by bus transport and a water tram.

Pekabex was responsible for the production and delivery of prefabricated elements for this project.











## L I N A B E R G 1 9

Building type: housing estate  
Client: NCC Sverige AB  
Location: Stockholm, Sweden

The Linaberg 19 project is a residential development consisting of 370 flats. It was developed on a former industrial site, with an emphasis on the sustainability of the local community and a safe place for spontaneous encounters.

The decorative ,fake joints' used in the façade layer of this project introduced harmony and made the actual joints between the prefabricated elements practically indiscernible once the silicones had been laid. As a result, the entire facade presents itself elegantly and uniformly, adding to the unique character of the entire complex.

The resulting buildings used three-layer walls with formliner textures and bossages, painted and fitted with windows already at the factory, as well as: columns, beams, solid walls, filigree slabs, balconies and stairs - a total of more than 8,500 prefabricated elements.











## B A N K E N

Building type: residential  
Client: Prefabsystem Entreprenad Svenska AB  
Location: Solna, Stockholm, Sweden



Pekabex supplied the balconies and sandwich walls with brick and painted in various variations for the two residential buildings with service areas (Estrad and Parad; two more buildings are planned).









S W E D E N

N O R S B O R G | G Ö T E B O R G

R E S I D E N T I A L   B U I L D I N G S









## S L A G S T A   S T R A N D   K V 7

Building type:    housing estate  
Client:            Consto AB  
Location:          Norsborg, Sweden

Slagsta Strand kvarter 7 is more than two hundred new flats for rent with bicycle and technical rooms, storage units and underground garage.

For this project, we used five different types of brick and, for the first time, decided to make walls with arched openings. The sandwich walls with embedded bricks were manufactured at the Pekabex factory.







## A L T P L A T S E N

Building type: housing estate  
Client: Smidmek  
Location: Gothenburg, Sweden

The Altplatsen housing development comprises more than a hundred flats, as well as commercial space for local services with meeting facilities and a residential home for the elderly with a garage.

The two new buildings with brick facades and wooden elements harmonise with the neighbouring blocks. To create a three-dimensional effect that emphasises the aesthetics of the buildings, the bricks were laid in a special way - on two levels. We produced the brick and plaster walls, solid walls, columns and beams.





GALLERIET

Building type: residential  
Client: AB Smidmek  
Location: Hovås, Goteborg, Sweden

The Galleriet estate has been built in the quiet and popular area of Nya Hovås. The proximity to the sea allows residents to enjoy long walks along the coast and swimming. Small shops, cafés and restaurants contribute to the cosy atmosphere of the small town.

The development of the estate is varied and gives the area a beautiful, mixed character.









D E N M A R K

S Ø B O R G

R E S I D E N T I A L   B U I L D I N G S







S Ø B O R G   H O V E D G A D E   1 1 6

Building type:       residential  
Client:                Kom-Kbh  
Location:             Søborg, Denmark

The building has a simple form, varied by glazed balconies on one side and galleries on the other. The shape of the building and its finishing fit in perfectly with the architecture of the adjacent buildings. The original solutions used in the project could be realised thanks to modern modular technology.

Prefabricated bay windows required the development of special installation methods. Perpendicular façade elements are walls with insulation prepared to anchor the façade panels with brick, supplied as prefabricated units. The ‚gun‘ walls are unique connecting elements in stainless steel, designed to stabilise long, narrow brick facades.





P O L A N D

G D A Ń S K | Z I E L O N A G Ó R A

O F F I C E B U I L D I N G S







OLIVIA BUSINESS CENTRE

Building type: office complex with underground car park  
Client: Olivia Business Centre  
Location: Gdańsk, Poland



Olivia Business Centre is the largest office complex in northern Poland. As Gdańsk is the gateway to Kashubia, and the floral pattern is typical of this region - at the request of the client, such a motif adorns the pillars in the underground car park. For this non-standard design, the Reckli company produced for Pekabex a formliner from the Unique series.

A different formliner - Tirari - was used for the Olivia Patio orangery. The architects wanted to give the columns the natural appearance of tree trunks. They have an oval cross-section, creating a unique contrast with the adjacent glass façade.







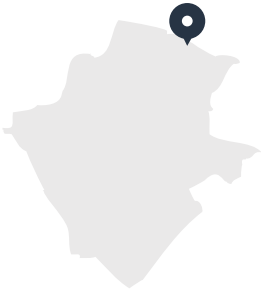


L I T P R E M I U M

Building type: office  
Client: LIT Poland, LIT Group  
Location: Zielona Góra, Poland

The minimalist, elegant and internally very comfortable modern office building was built using a prefabrication system. With its unique design, it stands out against the background of urban architecture. The building has no load-bearing walls on the inside, so it offers various design possibilities.

Designed in line with the latest technological trends, this office building for rent offers the highest standard in Zielona Góra. It meets all the criteria of a premium property.











## Walls

When designing and delivering projects using prefabricated components, Pekabex demonstrates unlimited potential, bringing an innovative approach to contemporary architecture.











## FASCINATING METAMORPHOSIS IN CONSTRUCTION

The ability to add texture or pattern to facades contributes to the visual  
the attractiveness of the building.

For the three-layer walls manufactured by Pekabex, there is a wide range of ways to finish the facade surfaces: with mineral plaster, washed stone texture, a texture produced by a decorative formliner or a layer of clinker bricks. The use of architectural concrete makes it possible to meet the highest aesthetic requirements of our clients, and the high standard of internal surface finish eliminates the need for additional gypsum finish coats or plasters. Designers deliberately expose the concrete of the structure both outside and inside buildings, giving them decorative qualities. The industrial style, based on the rawness of the building materials, takes different forms, adapting to the proportions, choice of construction elements and finishing materials. Concrete combined with glass and steel creates fascinating contrasting compositions, where the raw texture of concrete emphasises the smoothness of other materials. The variety of shades, degrees of smoothness and pore sizes that the precast walls have is due to the finely tuned ingredients in the concrete mix. A partnership with Reckli, the world leader in the production of concrete formliners, allows for more than 250 patterns, adding decorative elements to the designs.



Prefabricated elements can have window and door openings of virtually any size and shape, and innovative solutions for permanent assembly joints and the absence of modular restrictions allow individual and flexible solutions. Prefabricated reinforced concrete elements, although freely shaped, are of significantly better quality than elements made on site. Buildings made by Pekabex possess fire resistance, acoustic and thermal insulation. The repeatability of prefabricated elements allows for the automation of production, which translates into lower costs and the creation of long-lasting, aesthetic buildings.



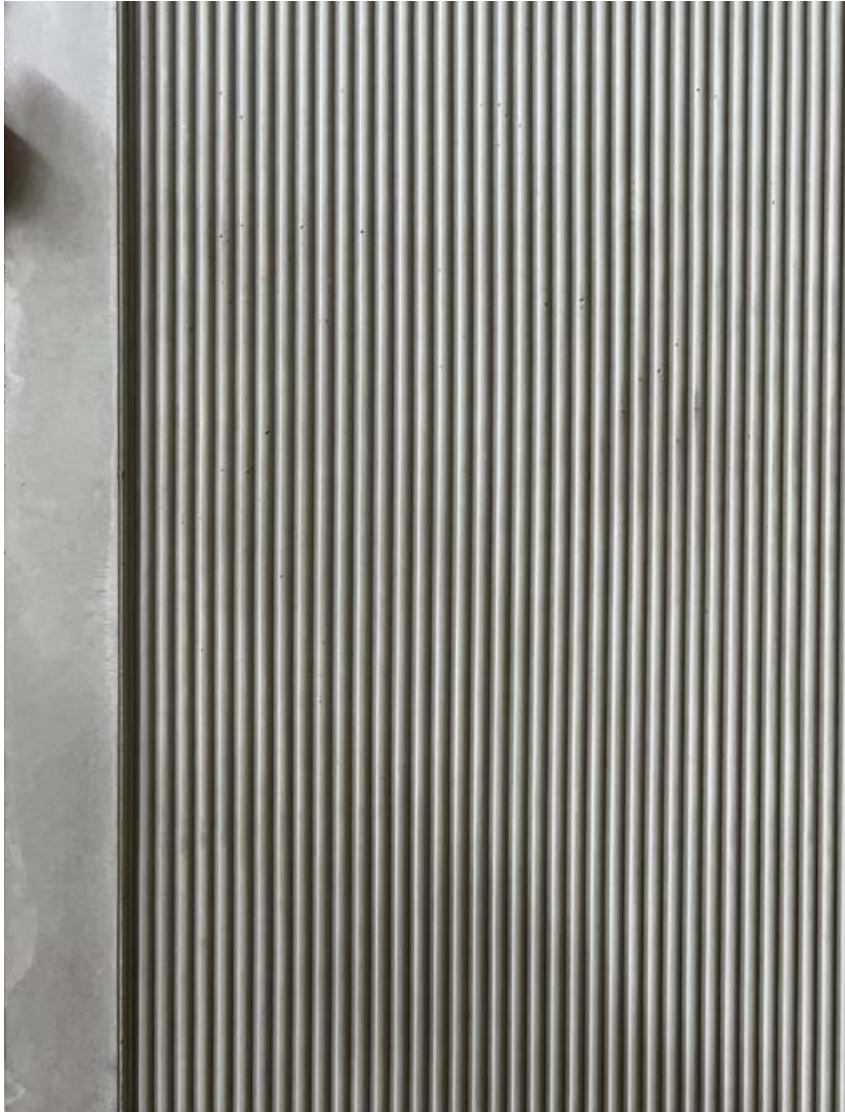
## COMPLETED PROJECTS OF PEKABEX

The architectural flexibility of the designs is made possible by our use of concrete formliners that are typically decorative in nature. Natural textures of wood and stone belong to the most common, but more abstract and geometric forms also have their supporters.

In cooperation with a formliner supplier, Pekabex offers various prefabricated textures, e.g. wave patterns, which add dynamism and uniqueness to buildings such as Hyllie Boulevard 40 in Malmö. Prefabricated walls with ornaments were also used in the project in the pictures - residential buildings in Kołobrzeg. As a forerunner in modern building technology, Pekabex is demonstrating the potential of prefabricated walls in combination with other materials. In the case of the Träförrådet housing development in Malmö, the focus was on the architect's vision and the use of a combination of brick façade with vertical strips.

Architectural forms using formliners are not only prefabricated walls. All structural elements can be a decorative element. An example is the columns in the Olivia Business Centre building in Gdansk. The architects chose a glass façade and used architectural concrete inside the building. The concrete elements in question are unique columns whose appearance, thanks to the use of formliners, is reminiscent of a tree structure. In addition, the building's underground car park features supporting pillars decorated with typical Kashubian floral patterns. They were cast in high-strength C70/85 concrete. An elastic textured formliner has pressed the delicate lines and flowers into the concrete with extraordinary detail. On the other hand, for the wood-like columns 50/60 concrete was used.

When developing and delivering projects using prefabricated components, Pekabex demonstrates unlimited potential by bringing an innovative approach to contemporary architecture.







# Stairs

Staircase elements are a combination of innovation and aesthetics that give any interior a unique character.











## S T A I R C A S E S

Building type: residential  
Client: PFR Real Estate and the City of  
Location: Toruń ul. Okólna, Toruń, Poland





## STAIRCASES

Building type: housing estate  
Client: Pekabex Development  
Location: ul. Jasielska, Poznań, Poland





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