



ART OF PREFABRICATION

WE DESIGN, MANUFACTURE, BUILD

WE DESIGN,
MANUFACTURE,
BUILD

WITH
PEOPLE
IN MIND



**PRZEMYSŁAW
BOREK**

CEO of Pekabex Bet S.A.

“We are inspired by all that is yet to build for the society, as we acknowledge that we are a part of it. At every stage, we pay attention to the expectations, safety, and comfort of the ultimate beneficiaries of our projects – people. We design, manufacture, build with people in mind”

EXPERIENCE, KNOWLEDGE, AND RELIABILITY

Since 1972, we have been the largest and one of most experienced manufacturers of prestressed and reinforced concrete precast products in Poland.

Our aim is to meet the needs of the investors. We find implementing more and more daring construction challenges – which often comprise innovative design projects that impact the architectural environment – to be an adventure in engineering.

Our projects include structures: hall buildings: production and warehouse halls, shopping malls, office buildings and car parks, infrastructural, housing, as well as energy facilities, stadiums and other structures both in Poland and abroad.

Since July 2015, our shares are traded on the Warsaw Stock Exchange.



UNPARALLELED WHEN IT COMES TO PRECAST PRODUCTS

Precast items revolutionised the construction industry.



FAST CONSTRUCTION

They save time, and at the same time provide durability and resistance to harsh weather and the impact of soil combined with flame retardant properties that guarantee high quality of the structure.

There are no downtimes during the assembly of structures made of precast items, which lowers the costs of labour.

LONG SPAN

Long-span items can be used in construction without the use of supporting structures.

ALL YEAR ROUND

Projects can be implemented by specialised assembly teams even at ambient temperatures below zero.

ASSEMBLY STRAIGHT FROM THE TRUCK

i.e. directly from the vehicle is a huge advantage if there is limited space at the site, e.g. in dense urban areas.

LOWER COSTS

The use of standardised structural element reduces investment costs by lowering the outlays on manufactured items.

HIGH QUALITY

Unlike a "traditional" construction site, at the manufacturing plant the quality of the elements is inspected at every production stage.



FAST CONSTRUCTION



**ADAM
KONIECZNY**
Sales Director
General Contracting Department

“We dedicate a lot of time to discussing things with investors so as gain better insight into their needs. The most frequent priorities are faster construction, durability, and fire resistance of the structure. With precast concrete we can guarantee that all these will be as expected.”

JULY

The erection of a logistics facility with an area of approx. 30,000 sqm is started by the installation of columns on the prepared foundation.



AUGUST

A standard 12x25 m arrangement of columns is already in place. Works on the housing and roof can begin as early as 4 weeks after the assembly of precast elements at the construction site.



SEPTEMBER

The structure is erected within 10–12 weeks regardless of the time of year.





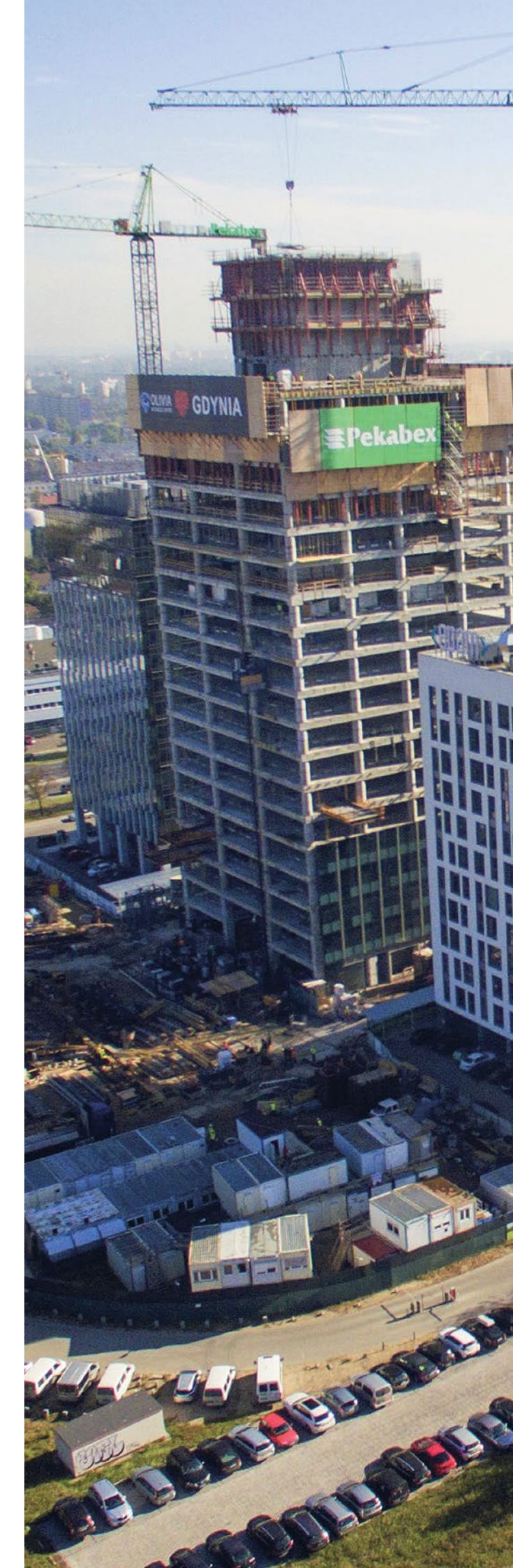
**ROBERT
JĘDRZEJOWSKI**

President of the Board of Pekabex S.A.

“Many years of experience with precast items, state-of-the-art manufacturing technologies, and, above all, the people, who are our greatest asset, guarantee that every construction project will be implemented at a top level.”

COMPREHENSIVE SUPPORT THROUGHOUT THE ENTIRE INVESTMENT PROCESS

With our excellent engineering and production capabilities we are able to offer comprehensive range of services relating to the design, manufacture, transport, and assembly of precast elements, **INCLUDING TURNKEY PROJECTS.**

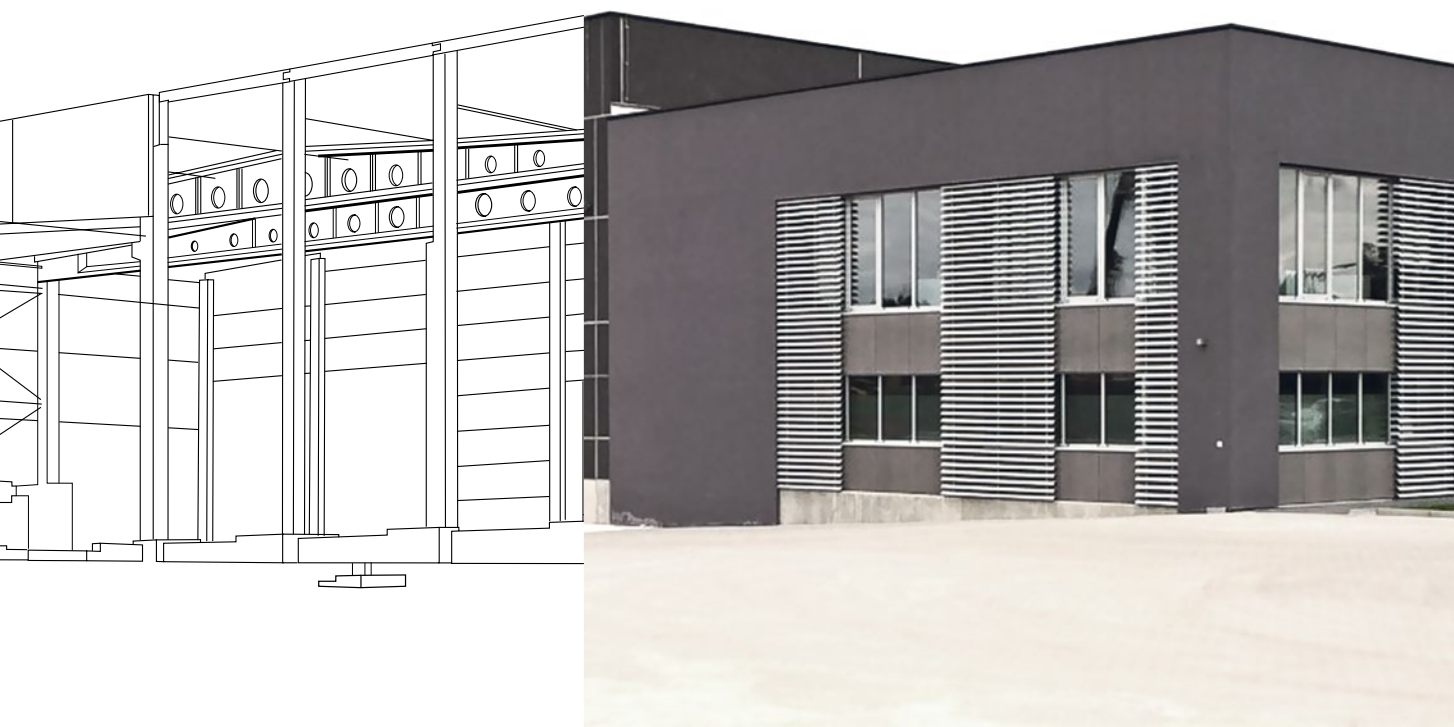




DESIGN

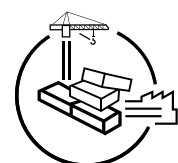
We take pride in having an in-house design unit that specialises in designing buildings and structures made of precast elements and employs 140 elite engineers with international experience, who cooperate

with external design offices on a regular basis. Our specialists provide the customers with proposals for innovative solutions compliant with Polish and European standards.



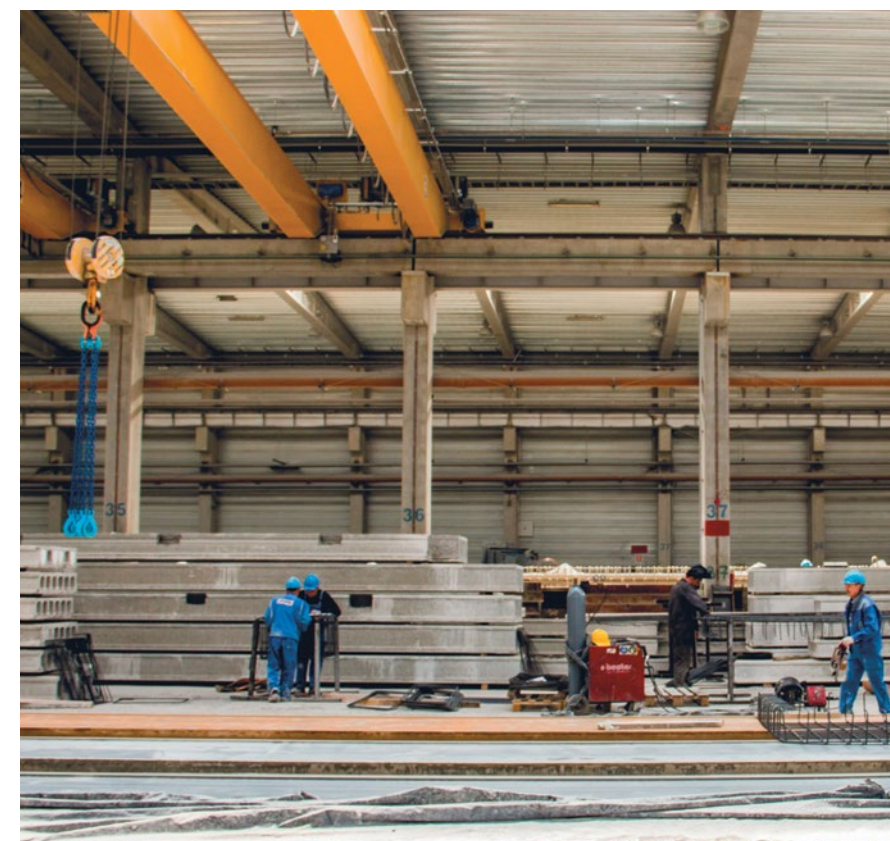
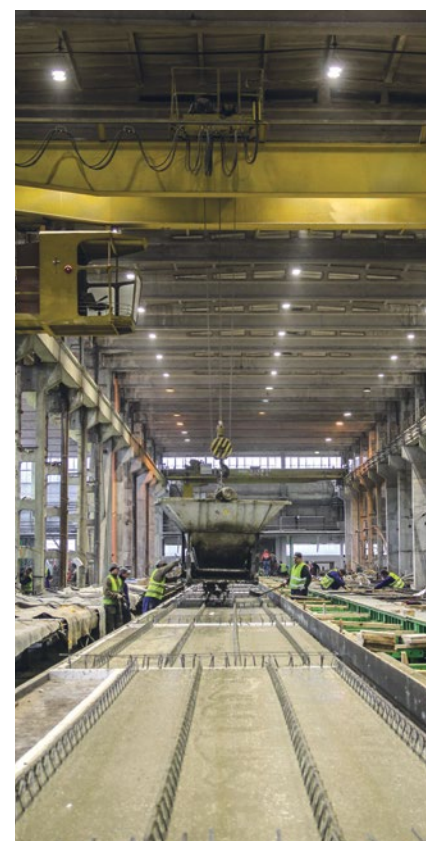
Projects developed following the **Pekabex system** are modern, safe and cost-effective, and the erected

structures stand out in the architectural environment.



MANUFACTURE

Four plants strategically located throughout Poland ensure our Clients get economic transport, high availability and best deadlines.



The Pekabex Group consistently increases its production capacity.

We are planning further investments e.g. in the expansion and modernization of the existing plants and in market consolidation.



TRANSPORT

We offer secure shipping of the manufactured precast items to construction sites throughout Poland, by road, or by road and rail. We also arrange sea transport of our products to destinations

outside Poland. Our low-floor trucks can transport items with a length of more than 40 m and a weight of more than 80 t, and can transport standing elements with a height up to 4.3 m.

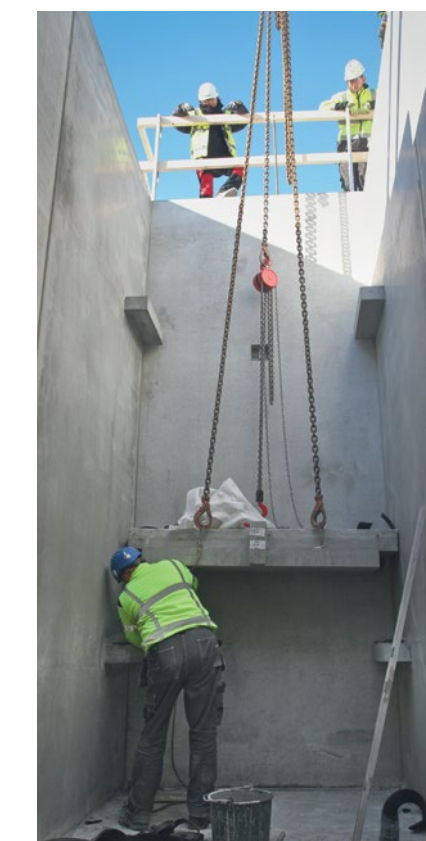


Our Logistics Department oversees on an ongoing basis the continuity of delivery and safety of transport.



ASSEMBLY

We offer the assembly of precast structures at the construction site regardless of the time of year and weather. With 23 in-house and contracted construction crews we guarantee that the project will be completed on time and as agreed in its terms.



We assemble precast items directly out of the vehicles, without the need for storage at the construction site.



**ŁUKASZ
STODOLNY**

“How to meet even most surprising design requirements? Regardless of the size and purpose of the building, we believe that each project has a great impact on the environment. For that reason, we seek new and unconventional ideas that will make full use of the space and available assets, **and Customers save time and money.**”



**OUR
CAPACITY**



1640
employees working at
the Pekabex Capital
Group



>200
experienced
engineers

555,000 m²

average yearly
production capacity
slabs

32.77 m

the longest reinforced
concrete column (VW
paint hall at Września)

104 tons

the heaviest column
(VW paint hall at
Września)

43 m

the longest prestressed
beam (Stenqvist hall at
Kostrzyn nad Odrą)

86.8 tons

the heaviest beam (Spine
hall for VW at Września)

107,860 m³

of precast items
manufactured in 2016

136,800 m³

average yearly production
capacity – structural elements
and walls



**CHRISTOPHE
CARION**

President of the Board of
Centrum Nowoczesnej Prefabrykacji Sp. z o.o.
(Pekabex Group)

“With our comprehensive production schedules, and a large warehouse for finished products at the plant we are able to guarantee continuity of production and delivery, as well as efficient and quick assembly at the site.”

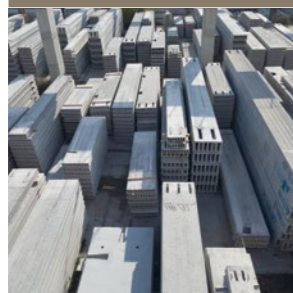
OUR PRODUCTS



ASK US ABOUT OUR PRODUCTS AND SERVICES TODAY

The production facilities at each plant enable us to manufacture various elements, both prestressed and reinforced, in the amount of more than 140.000 m³ of precast items per year. With the technical facilities at our disposal we are able to manufacture items with a weight up to 120 tons. The plant in Poznan is equipped with automated (computer-controlled) lines with a length of 120 m each for the manufacture of prestressed structural elements.

PLATES



PRECAST ELEMENTS FOR STADIUMS



ENGINEERING PRECAST ELEMENTS



OTHER ITEMS



FOUNDATIONS



COLUMNS



WALLS



WE PAY UTMOST ATTENTION TO THE QUALITY OF OUR PRODUCTS

We continuously improve our Quality Management System so as to best meet the requirements of our customers. We strive to provide top quality products and services in all our business activities.

In addition to the experience and qualifications of our personnel, and numerous awards, our certificates in particular attest to the quality of our precast products. Our products are inspected on a continuous basis, both at the plant and by third parties. By continuously expanding the potential of our services and the range of precast items, we steadily improve and implement new technologies along with the state-of-the-art instruments.





**TOMASZ
SEREMET**

Member of the Board of Pekabex Bet S.A.

“We offer the Design & Build services to the private sector customers. We attach high importance to supporting our business partners on each stage of an investment, both in formal and legal matters, as well as in indicating economic technical solutions. We treat each project individually, as if we were building for ourselves.”

WE SPECIALISE IN VARIOUS TYPES OF PROJECTS.

With the broad range of our products **we are able to tailor the solution to perfectly match any kind of building.**



WIDE-SPAN BUILDINGS

- single-span
- multiple-span
- high bay warehouses



CIVIL ENGINEERING STRUCTURES

- tunnels
- stations
- flyovers and bridges
- elevated roads
- retaining walls



POWER FACILITIES

- power plants
- wind farms



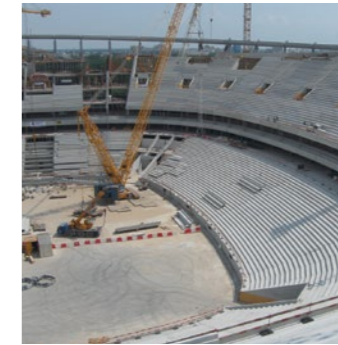
OFFICE BUILDINGS AND FRAMED STRUCTURES

- shopping centres
- multiplex theatres
- hotels
- car parks
- multi-storey garages
- office buildings



RESIDENTIAL BUILDINGS

- multi-dwelling units



STADIUMS



WIDE-SPAN BUILDINGS

Logistics facilities, warehouses, high bay storage facilities erected from assembled precast elements are stable and functional.

- large spans of elements mean less columns and better arrangement of the space, that Customers need so much,
- significant resistance of precast concrete elements means lower operating costs - snow is no longer a problem,
- the lower cross-section of the roof allows increasing the height of racks and reducing heating costs
- fire resistance in the price!

LET'S TALK ABOUT THE
ADVANTAGES OF
PREFABRICATED CONSTRUCTIONS



WE WANTED VERY MUCH FOR OUR HALL TO LOOK AESTHETICALLY

Interview with Mr. Lech Świątek, the CEO of Lech Modern Fabrics

KEY PROJECT DETAILS

LOCATION: **GLINKA DUCHOWNA K. KOSTRZYNA**

INVESTOR: **PPUH "LECH" LECH ŚWIĄTEK**

WAREHOUSE AREA: **10,200 M²**

OFFICE AREA: **600 M²**

TOTAL FOOTPRINT: **10,800 M²**

CONSTRUCTION START DATE: **15-09-2015**

CONSTRUCTION END DATE: **10-08-2016**

"Swarzędz used to be a leading European manufacturer, but almost all its products were exported outside Poland. We had no means whatsoever of getting any upholstery fabrics for the products to be sold in Poland" recalls Mr. Lech Świątek, the CEO of Lech Modern Fabrics in Kostrzyn k/Poznań. Our little shop with 3 employees has grown since 1979 into one of the three largest furniture fabrics trading companies in Poland. To meet the company's storage needs, the owner decided to build a warehouse with an area of 10,800 sqm complete with high-standard offices. In the interview he tells us about the development of a hall constructed in the Pekabex precast system.

THE NEW COMPANY HEADQUARTERS IS LOCATED AT A STRATEGIC JUNCTION OF A2 MOTORWAY AND S5 EXPRESSWAY, BUT YOU ARE NOT FROM THE NEARBY KOSTRZYŃ?

We come from Swarzędz. It is the city where we established our first shop and where we used to manufacture furniture. In 1994, I abandoned the manufacturing business. I was overwhelmed as the person in charge of it, and my son was a little boy. Sometimes I wish I had decided otherwise. For many years, Poland has been a leader on the European market in terms of production output, even though Italy is ahead of us in turnover. On the other hand, the trade business continued to grow steadily, and now we employ 50 people, export our

products all over Europe. It is still a family business, however: more than a dozen employees are our close family members. From the very beginning, I have prioritised good relations with the personnel. Some of our employees are with us for as many as 26 or 25 years, and our head accountant for 24 years, but everyone is treated as equal and a friend.

WHEN DID YOU DECIDE TO START INVESTING IN THE CONSTRUCTION OF YOUR OWN HALL BUILDING?

Even though our turnover had grown rapidly, we lacked genuine headquarters, so in the eyes of the visiting sales representatives we were still a small company. We have grown to become a major player – we sell our fabrics to almost all European countries and we are now able to source them from any part of the world. As we had not used to participate in tenders for such large projects, we did not have any related experience. We sent 27 request for quotation and started meeting the contractors. At first glance, I found all the offers and presentations to be similar,

each representative claimed to be the best, but all the steel structures looked the same. When I visited such a structure, I instantly knew that it was not something I would like to build: for wide span of columns the floor truss had to be as high as around 3 meters, which just looked ugly in a low hall. This was when I heard of concrete structures for the first time.

WHAT WERE THE FACTORS IN CHOOSING A REINFORCED CONCRETE STRUCTURE?

We really wanted the hall to have an appealing look and, above all, to provide nice and comfortable working environment to the team. When we wanted to lease part of the area, one of the prospective tenants said, upon seeing the premises:

"It's clear that you have made this for yourselves and not just for lease."

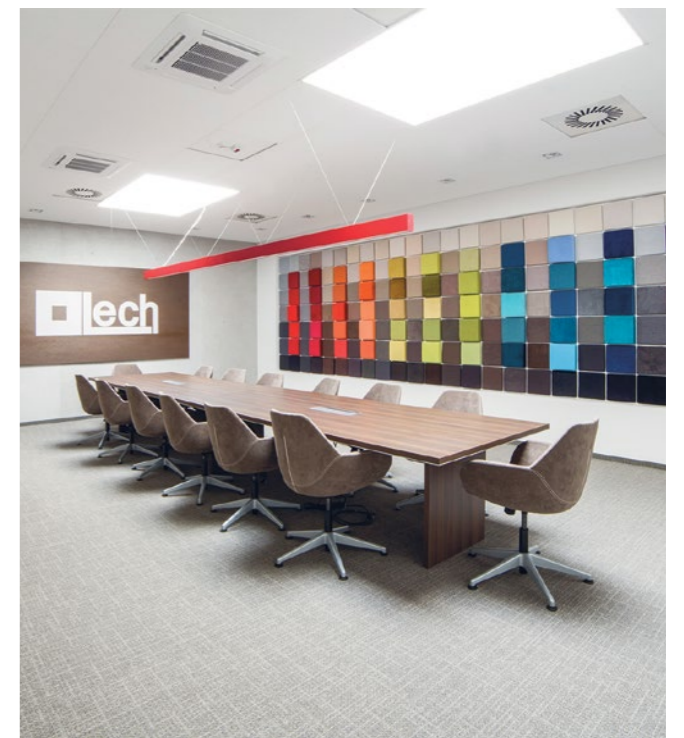
It was a great compliment for us.



And that's most often the case – those who come to visit us enjoy the view of the building at the first glance at its roof structure. We also wanted the construction to be fast, as the quotation process had already been drawn out. Initially I did not ask for the price, I had heard that it might be higher than that of a steel structure. However, after several meetings, and some analysis of the projects and quotations, we managed to negotiate good terms, and decided to sign a contract with Pekabex for an implementation of a turnkey project.

DO YOU HAVE ANY WISHES LEFT TO BE MET?

Now we are at a phase of stabilisation following the construction. The official opening was attended by almost all the invited guests, including many of our foreign partners. We were proud seeing how their view of us have changed. I have two children, and the company is, in a way, a third one. With my son we have managed to create a successful duo, and I begin to consider handing the company over to him. I want it to thrive even without me.



OFFICE BUILDINGS AND FRAMED STRUCTURES

Framed structures made of Pekabex precast elements are erected at a very fast pace. The storey construction is realized in a week. Prestressed elements allow for a better arrangement of space

ASSEMBLY OF PREFABRICATED ELEMENTS IS OFTEN THE ONLY TECHNOLOGICAL OPTION IN ATYPICAL PLACES,

where everyday work and construction alternate, and it is not possible to store materials at the construction site.



SEAMLESS AND FAST CONSTRUCTION OF A MODERN OFFICE COMPLEX: BUSINESS GARDEN IN WROCLAW

Interview with Mr. Grzegorz Tymich, Contract Director at Budimex S.A.

WHAT IS THE BUSINESS GARDEN WROCLAW?

Business Garden Wrocław is a complex of office buildings that is unlike any typical office complex. There are vast distances between the buildings, and the remaining area is filled with plants, as well as “lazy” and active recreation areas. At the tenants’ disposal there are boules yards, volleyball, basketball courts, etc. They can also dine at the restaurant. The area is open to everyone. Underneath the complex there is an underground garage with 690 parking spaces. The facility was designed and built in compliance with the LEED Platinum certification requirements – the most stringent level of LEED requirements. And we managed to get the certificate! Personally, I enjoy this project a lot.

KEY PROJECT DETAILS

ADDRESS: **UL. LEGNICKA, WROCLAW**

INVESTOR: **VASTINT POLAND**

GENERAL CONTRACTOR: **BUDIMEX SA**

USABLE FLOOR AREA: **63,985 M²**, INCLUDING:

UNDERGROUND GARAGE: **21,930 M²**

OFFICE AREA: **34,900 M²**

REMAINING AREA: **7,155 M²**

HOW DID YOU VISUALISE THE SITE BEFORE ITS CONSTRUCTION?

For me, it was another challenge. New customer, new co-workers and contractors, LEED certification, and an international team. This is what I love about this job. It starts with a field of thickets, and ends up as a nice facility thanks to the contributions of all the parties.

WHY DID YOU CHOOSE PEKABEX FOR A CONTRACTOR?

Upon making the decision, I prioritised my needs, first of all the expectation of top quality of workmanship. The choice always depends on several factors: what there is to do and within what deadline. In this case there was a very wide range of the precast structures – ground floors of 3 buildings. As for the deadline, I would call it challenging; capacity of the contractor. Both in terms of technology and design; experience: of the personnel, designers, assembly workers, and production managers; flexibility, and the ability to make trade-offs and communicate; and, of course, the price: i.e. will I be able to afford the product. PEKABEX turned out to be the precast structure contractor who met these requirements. Not all went smoothly from the get-go. But the professional attitude and determination of the people of both parties working together made it possible to carry out all the work at the expected quality level.



WHAT WAS YOUR FIRST PRIORITY IN THE CONSTRUCTION PROCESS?

We agreed with the customer that there would be a specific outcome: the facility is to be of top quality and has to be constructed and commissioned within the deadline. At the same time we needed to follow the rules: the ethics of cooperation with the contractors, and the safety of the employees at the site are top priority. We also make effort to minimise the inconvenience of our operations to the local community. If all these conditions are met, it is a success.

WHAT ADVICE WOULD YOU GIVE TO GENERAL CONTRACTORS THAT ARE ABOUT TO CHOOSE A CONSTRUCTION TECHNOLOGY?

It is hard to give advice to my general contractor fellows with as much experience. We keep learning and taking on new challenges in small and large scale. But as they say, a structural engineer is the most creative job in the world... The technology is often selected at the phase of establishing customer’s prerequisites. It depends on the available time, budget, and the concept of construction. I believe that the precast

technology, the modern one, despite its higher initial price has major advantages, and represents a higher level of technological evolution of the construction industry. It results in faster and less burdensome construction at the site.



ARE TWO MONTHS OF CONSTRUCTION SHORTER - A LOT?

Thanks to designing the structure in the Pekabex prefabrication system, we gain time and savings. Structures put up in this way let you forget about delays and contractual penalties associated with them.



CIVIL ENGINEERING STRUCTURES

Construction is not a very visible, but a very important element of the building. Modern civil engineering structures, roads and bridges in particular, are highly advanced in terms of technology and design.

This often necessitates individual approach and tailored solutions for challenging lie of the land. For years, we have been designing and building civil engineering structures made of precast items, in compliance with the guidelines of the investor, and taking into account the needs of the users of the facility and the environmental protection requirements.

RESIDENTIAL BUILDINGS

With one of the longest track records in designing and constructing precast elements for residential buildings in Poland we are able to take on any challenge in this type of projects.

We work for the best: we gained experience in the construction of various residential buildings with modern architecture on, among others, **the demanding Scandinavian market**. We offer a comprehensive range of products, including: walls with built-in joinery and electric installations, floors, staircase sections, balcony sections. With these we are able to make buildings that look great and at the same make full use of the advantages of the precast technology.



A STOREY ASSEMBLED IN 4-5 DAYS?

The great advantage resulting from the application of the Pekabex prefabrication system in residential constructions is the speed and security of assembly, precision of workmanship and durability of the structure.

FOR THE CONSTRUCTION OF THE LNG TERMINAL IN SWINOUJSCIE, OUR ELEMENTS MET THE STRICTER REQUIREMENTS REGARDING MANUFACTURING AND ASSEMBLY TOLERANCES,

were made taking into account seismic loads, and the assembly took place directly at the sea in high corrosivity conditions.



WE HAVE BUILT THE LARGEST GAS TERMINAL IN THIS PART OF EUROPE

The strategic importance of this kind of **power facilities** for the security of the country, makes its construction a challenge for all the participants. Their thorough design, as well as the following guarantee of continuity of production and timely delivery are of particular importance.

Specialized projects

We are also the first company in Poland to construct a wind farm with turbine tower structures made entirely of reinforced concrete precast products. We manufactured as many as 220 items comprising a total of 10 wind turbines.

Advantage

At our disposal we have all the assets required to shorten the lead time and optimise investment outlays, as we can take advantage of precast elements that we fully adapt to the requirements of a specific facility.

WE HAVE COMPLETED STADIUMS FOR EURO 2012 AND MORE

Stadiums that are designed and made of reinforced concrete precast elements are the only solution that meets the needs of large-scale and short-duration construction projects.

We have acquired extensive experience in the construction of sports facilities mainly during the implementation of arenas for EURO 2012, including the National Stadium in Warsaw. We also delivered elements for the construction of the following: Municipal Stadiums in Poznań, Wrocław, Łódź, Tychy, Gliwice, Bielsko-Biała and Lubin.

How does the assembly of 120 elements per day look like?

Providing thousands of stands to the stadium is a huge logistical effort in the field of production, transport and assembly, which can only be guaranteed by the largest manufacturers.



TENS OF THOUSANDS OF FANS JUMPING IN ONE RHYTHM? OUR CONSTRUCTORS HAVE FORESEEN THIS!

Designing solutions for the CC3 consequence class requires a lot of experience, professionalism and responsibility.

OUR PROJECTS - FULFILLED PROMISES



Olivia Business Center
Gdańsk
2010-present
PLN 144 million



Tunnel under the Martwa Wisła river
Gdańsk
2013-2014
PLN 44.9 million



Łódź Fabryczna railway station
2014-2016
PLN 43.7 million



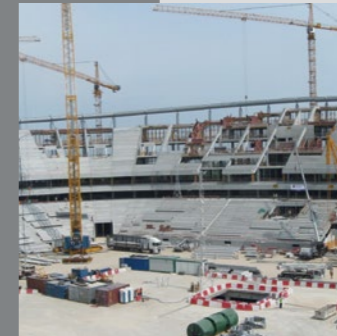
Filborna Power Plant
Sweden
2011-2012
PLN 26.2 million



Inter Europol Piekarnia Sz wajcarska Marki
2012-2014
PLN 55.5 million



Świnoujście LNG Terminal
2012-2014
PLN 41.5 million



National Stadium in Warsaw
2010-2011
PLN 47.5 million



Municipal Stadium Poznań
2010
PLN 20.3 million



Volkswagen paint hall, Spine Września
2014-2015
PLN 51.2 million



PKP railway station and car park
Poznań
2011-2013
PLN 28 million



Business Garden Wrocław
2015
PLN 11 million



Clip Halls Swarzędz
2013-2015
PLN 40.8 million



**BEATA
ŻACZEK**

Vice President/CFO of Pekabex S.A.

“Pekabex is a trustworthy business partner that guarantees fair cooperation based on the company's sound balance sheet financing investments along with the company's own funds. We care for financial liquidity, because it is the foundation that allows engineers to smoothly implement building projects. This solid foundation consists of the daily work of specialists in many fields.”

PEKABEX IS PEOPLE

Careers at Pekabex



WOJCIECH, DESIGN DEPARTMENT
Poznań

“Even though production of precast items is repeatable by definition, working for a major company in a sizable project team allows us to jointly seek new, non-schematic solutions. Those who are working at Pekabex for many years are glad to share their experience with the colleagues.”



ANDRZEJ, MANAGER OF THE GDAŃSK PLANT
Gdańsk

“We acknowledge that Pekabex consists of people, who make great things, so it is worth investing in their development. The company's training programme enables the workers to complete a range of courses that improve their qualifications.”



BARTOSZ, ASSEMBLY WORKER AT PEKABEX
Szwecja

“What is here? At Pekabex there's all of it – good salary, professional equipment, people who get along well, understand each other without words and take care of each other's safety. You just have to like it! You have to like the lack of boredom and the dust, as this is what you get on a construction site.”

MARCIN, SALES DEPARTMENT
Bielsko-Biała

“Clients evaluate us after fulfilled promises. The company's and employees' potential allows us to implement the most demanding projects and gives us satisfaction of the goals we have achieved together.”



MILENA, STUDENT, ASSEMBLY DEPARTMENT
Mszczonów

“As a young engineer I want to get to know what it is like to work at a construction site.” I appreciate even just being here, new challenges just keep coming, and I need to be able to cope with them. I also appreciate the flexible approach of my superiors, which



enables me to arrange my work and study schedules so that they do not interfere with each other. The teachers value my efforts, and the work boosts my self-confidence.”

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