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”
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.

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.
UNPARALLELED WHEN IT COMES TO PRECAST PRODUCTS

Precast items revolutionised the construction industry.

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.

FAST CONSTRUCTION

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.

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

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.

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

“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.”

ADAM KONIECZNY
Sales Director
General Contracting Department
“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.”

President of the Board of Pekabex S.A.

ROBERT JĘDRZEJOWSKI

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.
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 our cranes enable handling elements with a height up to 4.3 m.

The Pekabex Group is focused on providing clients with quick and reliable delivery.

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 vehicle, without the need for storage at the construction site.

DESIGN

We take pride in having an in-house design unit specialising in designing buildings and structures made of precast elements, and employing 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.

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Projects developed following the Pekabex system are modern, safe and cost-effective, and the erected structures stand out in the architectural environment.

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.

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

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

ŁUKASZ STOOGOLNY

OUR CAPACITY

- Average yearly production capacity
- Slabs
- The longest reinforced concrete column (VW paint hall at Września)
- The heaviest column (VW paint hall at Września)
- The longest prestressed beam (Stenqvist hall at Kostrzyn nad Odrą)
- The heaviest beam (Spine hall for VW at Września)
- Of precast items manufactured in 2016
- Average yearly production capacity – structural elements and walls

1640 employees working at the Pekabex Capital Group

>200 experienced engineers
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."
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.
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.
“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.”

TOMASZ SEREMET

Member of the Board of Pekabex Bet S.A.
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.

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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

“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” recollects Mr. Lech Świątek, the CEO of Lech Modern Fabrics in Kostrzyn k/Poznania. 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 KOSTRZYN?

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.

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:

“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.
WHAT IS THE BUSINESS GARDEN WROCŁAW?

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.

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 what I love this job for. 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.
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.
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.
Our Projects - Fulfilled Promises

Filborna Power Plant
Sweden
2011-2012
PLN 26.2 million

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

Świnoujście LNG Terminal
2012-2014
PLN 41.5 million

Inter Europol Piekarnia Szwajcarska Marki
2012-2014
PLN 55.5 million

National Stadium in Warsaw
2010-2011
PLN 47.5 million

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

Municipal Stadium Poznań
2010
PLN 20.3 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
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.”

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.”
“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.”

“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.”

“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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