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Budma 2010 – „Sustainable construction – economy, ecology, human”

The Polish construction is on the verge of a technological revolution. In line with the latest amendments of the EU EPBD, as of 2020 only buildings with very low energy demand can be constructed in our country and in the entire EU. In order to meet the requirements of the European law, we will have to change construction standards completely, from design through selection of materials to contracting works. The upcoming 19th edition of the **Budma International Construction Fair**, the largest construction trade fair in Central and Eastern Europe, to be held in Poznań on **19-22 January 2010** under the theme **„Sustainable construction – economy, ecology, human”**, will be an opportunity to gain insight into the latest solutions in modern construction. The trade fair will be held under the auspices of the Minister of Economy and the Minister of Infrastructure as well as the Polish Chamber of Commerce.

Construction in its full scope

In line with the leading theme, both the exposition and the trade fair programme will focus on safe and eco-friendly construction materials, technologies ensuring high thermal performance, comfort and functionality of a building combined with minimum environmental impact, as well as design consistent with the culture and landscape context.

This year, Budma has a wider thematic profile. The exposition that used to focus mainly on solutions for the house-building industry will now be supplemented with a wide offer for other construction sectors, including road construction. The exhibitors' offer will be divided into the following segments:

- **house-building industry, social infrastructure and public buildings** (foundations, walls, insulations, windows, doors, roofs, wood, stone, chemicals and tools),
- **industrial building** (floors, steel structures and halls)
- **road construction** (design, geotechnics, gravel, surfaces and road infrastructure).

For the fifth time, **CBS** – Sports Facilities, Amenity Areas, Wellness & Spa will be organised at Budma. What is more, the exposition will be even richer thanks to the offer of exhibitors of **BUMASZ** International Fair of Construction and Road Building Machines, Vehicles and Equipment, taking place every two years.

About **1,350 leading manufacturers and distributors from 32 countries and territories**, i.e. Austria, Belarus, Belgium, Cameroon, China, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Greece, India, Italy, Latvia, Lithuania, Netherlands, New Zealand, Pakistan, Poland, Portugal, Russia, Slovakia, Slovenia, Spain, South Africa, Switzerland, Taiwan, Turkey, Ukraine and USA will showcase their innovative offer at the January construction trade fair. The exposition will be located in pavilions with a total **area of 60,000 sq m**. The organisers estimate the number of visitors to reach over 60,000 this year.

New products at the fair

For professionals visiting the fair, numerous new products presented at stands will make the greatest attraction because the fair is a wonderful opportunity to explore the latest products and technologies that are being introduced to the Polish market. Budma exhibitors will showcase a few hundreds of new solutions. Stands of exhibitors that have entered their new products will receive a special designation. For a detailed list of new products please visit www.budma.pl.

Special Expositions

Passive construction or a house (almost) without heating

If you design and build or modernise a house in compliance with passive housing standards, you can pay for heating as little as 2 PLN per square meter per year. At Budma 2010 fair you will have a chance to plunge into the arcana of construction with the use of this increasingly popular, eco-friendly and cost-effective technology.

All year round, a passive house ensures proper indoor climate, resulting from the perceived thermal comfort and optimum ventilation following continuing supply of fresh air. Virtually any building, either new or modernised, can be now constructed in this standard, namely single-family and multi-family houses, council housing, office buildings, commercial facilities, hotels, schools, sports halls, swimming pools and industrial facilities.

In passive houses, heat losses are reduced to such a degree that passive energy sources, such as solar energy permeating through windows and heat generated by inhabitants or being a side effect of the operation of household appliances, suffice to compensate for these losses. Only when it is freezing outside, additional supplementary heating is used: usually with warmed air supplied by the ventilation system. Contrary to what you may think, construction of a passive house is not much more expensive than in the case of a traditional one. According to the Polish Passive House Institute, passive housing is at present about 5-7 % more expensive in Western Europe. In Poland, additional costs are estimated at a level of 10-15 per cent.

Advantages of houses built in accordance with sustainable construction guidelines will be presented at Budma as part of a special **exposition** of companies offering passive construction materials and solutions (Pavilion 15) and during the two-day series of seminars and presentations: **International Knowledge Transfer Conference – Passive construction from A to Z**. At the conference, successfully completed passive house projects from different European countries will be presented. The first day of the forum (20 January) is addressed to representatives of marshall's offices, province governor offices, local authorities of towns and communities, as well as universities and investors. The second day of the forum (21 January) is open for architects, designers, civil and environment engineers, housing developers, contractors, building control inspectors, real estate administrators, representatives of Social Housing Associations, thermal modernisation auditors and manufacturers of materials and components for passive construction. "Passive Construction" Project is organised by Międzynarodowe Targi Poznańskie in collaboration with the Polish Passive House Institute.

BudShow or sustainable housing

Owing to special interactive exhibitions, fairs are no longer just a static presentation of the market offer, but a modern marketing event that enables effective communication between exhibitors and visitors. At the Budma fair, this role is among others performed by the BudShow project. It will be already the fifth edition of this event organised by Międzynarodowe Targi Poznańskie and ARDO Marketing Communication Agency.

Earlier editions of this event have been evaluated as very good, both by partners, media and above all - visitors. Therefore, organisers have decided to continue this event in a new, even more interesting and richer format. In Pavilion 12 at Budma 2010, a model house will be constructed that meets sustainable construction requirements, i.e. is eco-friendly, ergonomic, energy-efficient, powered by renewable energy, non-polluting and ensuring comfortable rest in a healthy environment. Traditional materials combined with state-of-the-art technology will be used in the construction process.

The attractive formula of BudShow enables exhibitors to showcase their products in an innovative and dynamic manner, while giving visitors a chance to actively participate in the project. The model house will be presented in three different areas. The first one is the „House in construction” exhibition: specially prepared cross-sections of the structure and its different elements will help participants gain insight into products and technologies used along with their proper applications. It will be accompanied by shows of assembly of elements supplied by project partners with live commentary provided by the moderator. Shows will take place many times during each trade fair day according to a pre-defined schedule. The final element of this special space will be the exhibition of a ready to move in part of the house.

BudShow project partners are companies from the construction, installation and interior decoration sectors, manufacturers and suppliers of construction materials, roof coverings, insulation, door and window joinery, construction chemicals, installation materials, modern heating systems (including solar systems), finishing materials (drywall partitioning, paints, ceramic tiles, floors, furnishing for bathrooms and other rooms), landscape structures and elements of interior and garden decoration.

Village of Wooden Houses

As a natural construction material, wood is once again increasingly popular with investors, in particular private investors. Interiors of wooden houses have a unique atmosphere with a soothing effect on the mind. It is also important that buildings made of wood are fully biodegradable, and thus truly eco-friendly. Examples of cutting-edge solutions implemented in wooden constructions will be showcased at the Village of Wooden Houses special exposition, unique in the European scale. Wooden houses built using different technologies will be placed at the outdoor fairgrounds. A presentation of solutions in wooden housing will be given by the Wooden House Association. Under its auspices, a model timber framed house will be developed at the fair.

Platform for meetings and education

The rich programme of Budma events provides a good opportunity for meetings and experience sharing between construction professionals and makes a valuable source of expertise on the latest trends in the construction sector. The programme features many conferences and debates that are being prepared for different visitor groups.

On the first trade fair day (19 January), a **debate** of the construction professionals on **sustainable development policy in construction**, organised in collaboration with the Building Research Institute, will be held. It will be attended by MPs from the parliamentary Committee of Infrastructure.

The slogan of this year's **Architecture Day** (20 January) is „Life between buildings“. It is also the title of a well-known book by Professor Jan Gehl, a Danish urban design consultant, architect and a professor of architecture who will be one of the speakers. On the Architecture Day, Adrian Joyce from the Architects' Council of Europe (ACE) from Brussels will give a lecture on the condition of eco-friendly construction in Europe and challenges preventing the need of transformation in the construction sector. „Life between buildings“ is also the slogan of the 4th edition of Maciej Nowicki Award Competition organised by „Architektura i biznes“ monthly. The goal behind the competition is to raise the awareness of innovation in architecture among Polish architects. The most interesting architectural projects employing innovative solutions will be awarded. This event will be accompanied by „Architecture Laboratory“ planned as a form of discussion addressed to students of architecture, urban planning and other artistic faculties. The Architecture Day will also feature a number of lectures and presentations, including of Young Silesian Architecture and the Hafen-City Hamburg project.

The organisers of the Architecture Day is the Union of Polish Architects, Polish Chamber of Architects and Międzynarodowe Targi Poznańskie, and partners: Firma Wydawniczo-Reklamowa RAM, publisher of „Architektura i Biznes“ monthly, as well as the Foundation of Architecture Creators. The Architecture Day is held under the honorary auspices of the UN HABITAT Warsaw Office, with Komunikat SARP as the media partner.

For many years, the **Archispace** has been an inseparable element of the BUDMA fair. It is a place, a stand, an idea, and an IT platform dedicated to manufacturers of construction materials and designers-architects, the brainchild of cooperation between PROCAD and Międzynarodowe Targi Poznańskie. It is a space where an architect-constructor will have an opportunity to explore the latest trends in CAD designing and learn how to design effectively using libraries (including parametric libraries) of ready-made drawings and product models from producers. Like in previous years, active designers will receive at the stand a CD prepared specially for this occasion and distributed only at the fair. It will include the offer of manufacturers, i.e. CAD drawing libraries, information and publicity materials, the Asystent Projektanta programme that helps manage CAD drawing libraries in a convenient manner, a library of typical 3D drawings and „First design“ training materials for selected CAD systems.

Eco-urban planning will be the topic of the **Urban Planning Day** (21 January). At the conference, German and American experiences concerning energy efficiency in architecture and urban planning will be presented. During the break, the results of the 19th edition of "My Wielkopolska" competition organised under the auspices of the Marshall of Wielkopolska Province will be announced.

Civil Engineering Days (19 and 20 January 2010) will focus on road construction. This event is held under the auspices of the Minister of Infrastructure and the Polish Chamber of Civil Engineers. On the first fair day, environmentally-friendly road technologies and projects along with costs of sustainable road projects compliant with environmental requirements will be discussed. The second day of the seminar will be devoted to railway infrastructure. One of the topics on the agenda will be the transport in urban agglomerations integrated with railway infrastructure. What is more, the Chamber of Construction Designing will present its 20 years of experience in sustainable transport construction.

Like every year, the **Congress of Polish Roofers** will be the chief event for the roofing sector. The Congress organised by the Polish Association of Roofers has accompanied BUDMA since 2002. This time, it will be held on the third trade fair day, i.e. on 21 January. The leading topic of this year's meeting will be „Vocational training in Poland and the role of the Polish Association of Roofers”. At the Congress, PAR certificates of whitesmith and roofer qualification will be presented. Companies that receive certificates are recommended by the Polish Association of Roofers as quality service providers. The Budma exposition will offer a lot of the latest solutions in roof design and construction. During **Shows of Good Roofing Practice**, professionals will present a wide range of roof covering, insulation and construction materials. Visitors will have a chance to learn the principles of proper roof insulation, assembly of coverings and fixing rain gutter systems as well as windows. The latest solutions in roof construction will also be presented at daily shows of the **Modern Carpenter Workshop**. Among others, manufacturers of roof truss systems, roof coverings and lifts will showcase their offer.

For a detailed fair programme please visit www.budma.pl

Tile and parquet floor layers' championships

This is already the third time the Polish Association of Tile Layers will organise the **Polish Tile Laying Championships**. Thirty-six competitors that have been selected in nine regional qualifying events will compete at Budma (20 January) for the title of the best tile layer. Competitors were all given the same task a month before the championship, and they are preparing works from their own materials. Visitors will select and award the most beautiful one.

At the same time, the Association of Polish Parquet Floor Layers will organise the **Polish Young Parquet Floor Layers' Championship** at the Budma fair. During two days of championship, competitors will have to lay the competition pattern on a slab with a surface area of 1 sq m. The event will be held on 20-21 January at the Mezzanine Level of Pavilion 3A. Apart from the title of the Champion of Poland, the winner will have the right to represent Poland at the European Young Parquet Floor Layers' Championship that will be organised in May 2010 in Poznań.

Visitor registration and sale of e-tickets

Międzynarodowe Targi Poznańskie has launched an online visitor centre at www.mtp24.pl. Visit it and buy a **cheaper** e-ticket or register for the fair by way of completing and printing out a registration survey that will be the basis for your ticket purchase in a ticket office at the entrance to the exposition grounds. All you have to do to use the service is register and define your personal password.

Visiting

You can visit Budma 2010 International Construction Fair **from 19 to 22 January from 9:00 am to 5:00 pm**.