

Mariupol to see apartment block of the future made from Metinvest steel

Steel construction is a global trend. Megacities use steel to build skyscrapers, stadiums, shopping malls, and bridges. Norway, for example, accounts for 48% of steel-framed buildings and Sweden, the UK and the USA account for up to 70% of steel-framed buildings. Such a scale is possible thanks to the multi-storey housing construction. New technologies in Ukraine are just gaining momentum. The first steel apartment block will spring up as early as next year in Mariupol. It will be made from steel produced by Metinvest Group's enterprises in Mariupol. On 16 October, Chief Executive Officer of Metinvest Group Yuriy Ryzhenkov and mayor of Mariupol Vadym Boychenko laid a time capsule for the construction of a new apartment block that is unique for our country.



The project from the winners of the Steel Freedom competition of architects is in progress: Mariupol's municipality placed an order for the construction of the apartment block using steel structures at Amurskaya Street. Metinvest Group sponsored the project development considering its future location relative to the roads and other constructions. The Company invested UAH 2.7 million in developing design documentation.

When selecting a technique for the apartment block construction, preference was given to the pre-fabricated steel structures to significantly speed up erection, improve reliability and longevity of the apartment block, and offer vast opportunities for using the interior space.

During the placement of the time capsule in the foundation of the future apartment block, Metinvest Group CEO Yuriy Ryzhenkov pointed out that it would be modern European apartment block and Metinvest jointly with the Mariupol Development Foundation would manufacture steel structures for framing, significantly reducing cost per square meter: "Today we start the construction of steel apartment block, contributing to the affordable housing for Mariupol residents. I'm sure that this apartment block will become a landmark not only for Mariupol but also for the whole country. Its aesthetic appearance and technical solutions will break the mould in the segment of quick yet quality housing building."

The construction of the modern building will require around 300 tons of steel that will be produced by Azovstal Iron and Steel Works and Ilyich Iron and Steel Works of Mariupol that are part of Metinvest Group. The building walls will be made from reinforced concrete, thus making it possible to speed up the construction and erection. Furthermore, a steel frame can be easily reinforced or reconstructed or dismantled at the end of its service life, thus offering further economic and environmental benefits.

The project provides for the construction of an eight storey apartment block of more than 7,000 square meters consisting of 120 one-bedroom and two-bedroom apartments. It will stand out among panel-type residential buildings with its eye-catching exterior. The selected colour and cascaded heights of the two-section apartment block, as well as different windows will distinguish it from other buildings. Furthermore, the new building will have the highest level of energy efficiency (A+++), and all finishing works in the apartments will be completed by

the time of putting into service.

According to city mayor Vadym Boychenko, this apartment block is going to be constructed to provide affordable housing to Mariupol young residents and employees of public utility companies: “Thanks to our reliable partner Metinvest Group, Mariupol is embarking on large-scale construction for the first time in recent years. We will be the ones to have the first steel building in Ukraine, which is symbolic for the main city of steelmakers.”

The design service life of the building is more than 100 years. Its construction costs around UAH 120 million. Metinvest Group is investing UAH 20 million in the manufacture of steels structures for the building, and the state budget and the local budget will allocate UAH 50 million each.

Steel produced by Metinvest Group was used to build skyscrapers such as The Shard in London, Garitage Park in Bulgaria and Hudson Yards in Manhattan, and shopping malls Lavina Mall and TSUM (Department Store) in Kyiv. Ukrainian steel is used to build stadiums and bridges, including the popular glass bridge in Kyiv and the new bridge in Genoa (Italy). The structure made from Metinvest steel protects Ukrainians against the fourth nuclear unit in Chernobyl. And now, world trends will be employed in Mariupol.

As a reminder: in December 2018, Mariupol with the support of Metinvest Group summarized the results of the Steel Freedom competition for young architects in category "Design of Apartment Block in the Affordable Housing Segment". Budding architects from different cities of Ukraine presented their design of apartment blocks. The main condition of the competition was to develop a design using supporting structures made of steel.

As a reminder: on 16 October, Metinvest Group signed a six-year memorandum of cooperation with Mariupol's municipality, as part of which a number of municipal programs will be implemented. One of them is the More Than Just Steel program that provides for the construction of four steel-framed facilities. Steel construction is the most promising modern practice. It is important for the company to get good quality result. Metinvest Group was the first in Ukraine to start to implement the city sustainable development approach — from system annual programs of social partnership ten years ago to the implementation of long-term and comprehensive projects in Mariupol since 2015.