Irina Shumskaya V.E. Volkova, research supervisor E.V.Grytsenko, language adviser

State Higher Educational Institution "National Mining University", Dnipropetrovsk

How to Construct a House in Three Days (new technology)

As all of us know, construction of buildings always took a lot of time and financial expenses. But thanks to new innovations in construction and to new ideas from the Xyla and "Montos-Dom" company, construction of the one-storeyed houses which is popular in America, takes only three days.

Their idea consists in that at high qualitative characteristics it is possible to reduce terms of building of such objects to minimum time. Recently, using new technology of installation, specialists of the company erected the first buildings in Vermont, the USA.

Houses are built in three days with the help of small team of builders using the automobile crane. The secret of this technology is very simple. It is the usage of panels and frames in the form large span constructions building which are produced directly on manufacturing plant.

The prefabricated house conforms to all requirements of modern norms for conditions of comfortable accommodation and energy efficiency. Besides, innovations in construction allow to gain considerable economic effect.

All designs of future construction are made by separate panel blocks at the specialized enterprise. Delivery to a construction platform of the prepared design is carried out previously in the form of flat packages. And, the whole house can be delivered in one lot to building area. Assembling of construction from separate panels right on building area demands less time. The direct economy of finance on transportation and assembling cut additional costs.

For even much more time saving during construction phase, the panels of external walls are made at once with the external decoration at the enterprise of the company. Because of the high quality of such building method it is not necessary the additional finishing of surface interior.

For customer it is given the options to choose various types of facing. Panels of walls are fixed on a framework of building previously assembled in building area.

New technologies in building construction using combined panels give the chance for future owners to choose the general architecture corresponding to various price segments. Large windows and glass doors pass much light into internal space of a house and create feeling of a scope. The internal decoration is established directly on building area and is under construction depending on preferences of each consumer.