

ENERGY SAVING TECHNOLOGIES FOR YOUR FUTURE HOUSE

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Many people were tired of city bustle and, it seems to me, each of us who lives in a big city wants to take a place in village or countryside where he will be able to take a rest from a noise. But it could be very expensive to have a huge house near a big city. Most of your money will go not on purchase of land than on heating your house. So, I would like to tell you some modern ideas how to build cheaper house with energy saving technologies.

1. Geothermal heating. The efficiency of the geothermal heating system is 50%, it does not depend on the climate or the season. Of course, it is not necessary to completely abandon the classical heating scheme, it can remain reserve. Many specialists are working in the field of energy saving on this problem, and one of the most popular environmental technologies in the next 15-20 years will be much better than we have today. It will be completely safe at work (it will not carry the threat of explosions, fires, it will not produce waste), it can't be installed when heated. Only a significant minus of the model is the high costs of the necessary equipment and a small number of qualified personnel who will be able to perform qualitatively.

2. System of glazing of "Eco-facade". The system of the energy-saving glazing of (Eco - Facade) was worked out in Australia and was recently awarded prestige bonus of the Best New Product on the international exhibition of Design Build in Melbourne. As authors of technology declare, on durability, reliability and reduction of energy saving it excels in 3-4 times not only flowed but also plastic glazed windows. A novelty was put into operation in Australia, in a few office centers in Sidney; presently the Russians begin negotiating with suppliers the introduction of "Eco-facade" on the territory of their country. Larson Fast Clean became one of the innovative materials that provide so wonderful operating properties, such as a multi-layered aluminum panel with the system of self-wiping - dirt, dust, tracks of paint, which does not settle on such windows. But if the window is dirty, then it will be easily cleaned by means of ordinary water, without domestic chemistry.

3. Tile with photocells. Sunny panels on the roofs of houses appeared a long time ago. They have been used for a few decades. However, specialists from the company "Innovatix", who live in Anapa, the sunniest city of Russia, recently presented on the court of public new technology that can force out traditional sunny panels is a tile with built-in sunny photocells. As it's generally known, the tiled coverage is legally considered one of most reliable, and a consumer will be able to get a double benefit - energy supply independent of municipal communications, and a good roof. On calculations, a tile will be able to provide the excellent energy supply of any object from 1 to 500.

4. The generator of a house wind. In the central and north-western parts of Ukraine, where there are more windy days in a year, an economically viable and environmentally beneficial decision will be to buy a wind generator for internal use. Even in spite of the fact that the cost of equipping the wind generator installation is about 60 thousand rubles, under the conditions of production of 200-300 kW with such a mechanism it completely covers the cost price in two or three years. And if you do not yet think about the fact that electricity tariffs grow every year, as well as the total energy in the country, the purchase can become even more profitable.

So, the task of actively implementing and using energy-saving technologies in Ukraine is quite acute for today, primarily because of the constant increase in the cost of energy resources.

In addition, we should not forget about the difficult ecological situation in the country and on the planet as a whole. And the use of energy-saving technologies immediately solves these two main problems - providing free, renewable energy, while not causing any harm to the environment. It should also be noted that for effective implementation of all the latest achievements of science, in our country there are all the necessary conditions. The only thing that prevents a fast and effective transition to the energy future is unwillingness of many people to make the first step towards progress.

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