

Energy Efficient Construction and Reconstruction of Multi-Apartment Buildings and Houses

While conducting construction or reconstruction works at your residential area or an office, consider not only the aesthetic appearance of the building but also the application of energy-efficient technologies and materials. With the help of available investments, competent professionals, you may ensure up to 60% energy efficiency along with increasing the ventilation and heating comfort level at an office or an apartment with only thermal insulation of the building envelopes. At the same time, such an energy efficient approach gives you an opportunity to save household budget and cut the expenses (up to 200 000 AMD annually for the average residential area of 100 m²), as well as reduce the volume of hazardous emissions resulting from burning fossil fuels. It is advised to take full advantage of renewable energy benefits and install efficient LED lighting.

Pic 1.

Ranking of buildings according to their energy efficiency index (A is being the most energy-efficient, G - the least energy-efficient)

Pic 2.

Relative humidity

Thermal comfort range of a building based on the indices of the estimated inner temperature and air humidity

Pic 3.

Thermal losses of a building based on the elements of building envelopes

Contact the experienced team of engineers and experts of the Armenian Green Technologies Center to receive consultations how and with which materials you can easily insulate walls and roofs of your apartment or office, as well as replace doors and windows along with establishing overall energy-efficiency of a building.

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