

Ecological city of the future



The role of the environment

- Today, it is difficult to overestimate the importance and role of ecology in the life of the whole society, and separately in the life of each person. So the state of the planet depends on both commercial companies that produce tons of waste every year, and on the individual who enjoys the benefits of civilization.



Aspects of nature affected by anthropogenic factors



1.Air

- Absolutely all aerobic creatures depend on oxygen, that is, on air, and our life depends on its quality. Everyone knows from school that plants produce oxygen, so given the current trend of deforestation and active population growth, it is not difficult to guess what leads to the destruction of fauna. But this is only one of the aspects that affect the state of our planet's atmosphere. In reality, everything is more complicated, especially in large cities, where the concentration of toxic substances is exceeded by tens of times according to medical standards.



2. Water

- The next important aspect of our life is water. The human body consists of 60-80 % of water. 2/3 of the earth's surface consists of water. Oceans, seas, and rivers are constantly polluted by humans. Every day, we "kill" the world's oceans by extracting oil from offshore fields. Oil spills threaten marine life. Not to mention the garbage Islands that constantly drift on the surface of the oceans and seas. Fresh water is most vulnerable to human ignorance. Waste water, various toxins such as mercury, lead, pesticides, arsenic and many other "heavy" chemicals poison rivers and lakes every day.



3. Land

- The main Foundation of life on earth is the soil. It is known that it will take about 300 years for the Earth to create one centimeter of black soil. Today, one centimeter of such fertile soil, on average, dies in three years.



4. Climate

- The combination of all environmental problems leads to climate degradation. Climate can be compared to the health of the planet. When individual "organs" of the Earth suffer, it has a direct impact on the climate. For many years, we have observed various anomalies due to climate change, the causes of which are anthropogenic factors. Human interference in nature's work has led to a sharp warming or cooling in certain areas, the rise in sea level due to the rapid melting of glaciers, to abnormal rainfall or lack thereof, and to severe natural disasters and more.



One of the best environmental projects of the city of the future



1. Green city in the desert.

- Baharash Architecture proposes to include "best practices in green building" in Dubai, focusing on public relations and social interaction against the backdrop of green spaces. The structure consists of 550 villas, organic farms, educational institutions and 200,000 square meters of solar panels. The city will independently generate 50% of the necessary energy and compensate for its carbon emissions through public transport.



2. Floating city

- Haiti is an island nation ravaged by poverty and natural disasters, such as the earthquakes that leveled much of Port-AU-Prince and left millions homeless. Architect E. Kevin Schopfer presented a new floating city of 30,000 inhabitants in close proximity to the coast with a residential area supporting agriculture and light industry. The 3-kilometer-wide complex consists of four blocks in the form of floating modules connected to each other by a linear system of channels. Able to withstand hurricanes and typhoons, the city can be expanded if necessary.



3. A city without carbon emissions

- The world's most eco-friendly metropolis-without cars and skyscrapers-is now being built in the desert outside Abu Dhabi. Masdar, the world's first city with zero carbon and waste emissions, will run on a public rapid transit system instead of personal cars and depend on solar, wind and geothermal energy. Giant "sunflower caps" will provide mobile shade during the day, store heat and release it at night.



Thanks for your attention!

- Everything in this world is natural; everything we do, one way or another, comes back to us, immediately or later — it doesn't matter. If we take care of ourselves and the world where we live now, save resources, think about nature, and live by conscience, then the ecological situation on the planet will improve — and we will not have to pay for our own recklessness and inattention. Live consciously, eat healthily — only natural products — take care of waste disposal and recycling, use the most necessary — then your life and the life of our entire planet will improve! Great things begin with small things!

