

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ  
СУМСЬКИЙ ДЕРЖАВНИЙ УНІВЕРСИТЕТ  
КАФЕДРА ІНОЗЕМНИХ МОВ  
ЛІНГВІСТИЧНИЙ НАВЧАЛЬНО-МЕТОДИЧНИЙ ЦЕНТР

МАТЕРІАЛИ ІХ МІЖВУЗІВСЬКОЇ  
НАУКОВО-ПРАКТИЧНОЇ КОНФЕРЕНЦІЇ  
ЛІНГВІСТИЧНОГО НАВЧАЛЬНО-МЕТОДИЧНОГО ЦЕНТРУ  
КАФЕДРИ ІНОЗЕМНИХ МОВ

**“TO MAKE THE WORLD SMARTER AND SAFER”**

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# SECTION 1

## UNDERWATER CITY

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Approximately 65% of the earth's surface is covered by the ocean. The ocean is able to give us tremendous opportunities for human development. Depths are not used. But we can use them for the benefit of the people. For example, we can arrange underwater life by repopulating the depth by people. We would be able to do business, science, technology. This can help us gradually get rid of the problem of the missing area for living.

All these ideas are going to be implemented by the Japanese company Shimizu. They promise to create an underwater city. The company actively seeks out and develops their own technology for this.

A huge sphere must be the central building. Its top will dominate the water. It is a gateway. Also living and working facilities will be placed here. Inside the atrium a “Blue Garden” is going to be located. This place should be used for a good walk. By the way business and the transport structures are placed here. The lowest part must serve as a science center.

Every city needs electricity. Infra-spiral will provide this by using temperature difference in the water. Also spiral can desalinate water. Status of the environment and production of food will be realized here too.

For creating this sphere builders need to protect construction from the water pressure and expertly select materials. Engineers want to use concrete, reinforced by recycled bottles. It is also necessary to secure facade from plants. Immersion will be governed by some small spheres filled with ballast.

The company selected three main positive qualities of their project:

- Optimal Climatic conditions, the minimum temperature variations.
- Opportunity to protect people from disasters, which, for example, often occur in Japan.
- Clear and fresh air, the lack of contamination.

If this project is able to become a reality, we will get a safe underwater city for the environment and human beings.