UDC 725.398:656.7.072

O.V. Chemakina, PhD,

I.A. Lysiuk, PHD student

(National Aviation University, Kyiv, Ukraine)

THEORETICAL MODELING AS A RESEARCH METHOD OF A

RELAXATION CENTER AT THE AIRPORT

The article considers the modeling of the features the relaxation center for airport users. Using the comparison of several definitions provided by different authors was analyzed the importance of this method for studying the organization of the center, which allows to examine options the architectural and planning organization, without causing difficulties in transit. Problem setting. Modern living standards that force each year to improve the quality of service especially in large transport entities, raises problems in providing comfort to travelers, but also ensuring the necessary form of recreation of workers. To date, unfortunately, overcrowded airports, not enough seats, chairs are uncomfortable lounges not easily accessible, nowhere to relax. Thus, the problem of rest and relaxation at the airport remains open and it consists in the necessity create an appropriate environment, both internal and external, to perform all the necessary functions. The opportunities should be found resolve this issue, which would provide all the needs of users at the same time perform an aesthetic function and offer to visitors a varied range of services, but do not create discomfort transit routes. The airport system must include completely new architectural unit which can provide all functions that contribute to optimize work and rest periods, will help reduce the number of physical and mental stress, both workers and passengers. In this question modeling can be very useful, as it contains a multiply solutions to every situation. As scientific study of this issue is not paid enough attention, and it is not studied from an architectural point of view, this issue is very important. The analysis of researches and publications. In the general scientific literature reviews several concepts of model, but the most complete definition gives V. Stoff in his book "Modeling and philosophy." Under the model he understands represented mentally or financially implemented system that shows or reproduce object of study, capable of being displaced it so that its study gives us new information about this property.[6] N. Romanchikov treated modeling as a theoretical method for the study of various phenomena and processes of the frame with the help of their real (physical) or ideal (symbolic, mathematical) models. With the help of the simulation describes the structure of the object (static model); process of its functioning and development (dynamic model).[10] Towards a classification of models appeals B. Hlynskyi in his book "Modeling as a method of scientific research", where along with the usual division models in the way they implement, and they are divided in character to the sides of the original.[5] Modeling was also reviewed by A. Konverskyi as a method of investigation of objects in their models. By the nature of the models he singled material (objective) and perfect modeling, expressed in the appropriate symbolic form. [8] On issues of modeling in architecture worked K. Kiyanenko - social modeling of houses; O. Smolenska - modeling of open architectural spaces in the urban environment; M. Zobova - three-dimensional modeling of the main types of physical culture and sports complexes; T. Zadvoryanska developed different models for organizing recreational areas in the structure of the coastal areas of large cities. [9]The purpose of the article. Its purpose is to determine the role of modeling to create architectural planning of the center of relaxation at the airport based on a functional, urban planning and analysis of existing facilities and their improvement.

The basic part. The term “modeling” means study objects using their models. In a broader sense, it is understood as a process of modeling, which includes not only research, but also the development of the model.[7] The method of modeling is how to create a model of the phenomenon under study. In some research models for are understood as certain material analogues which may give an idea about the object, in other - models take the form of a certain description of phenomena by means of a language. In modern conditions, research models can be divided into two groups: physical and mental, and material model is actually implemented by the device, a simplified and modified copies scale natural object modeled. In other cases, it is an analog model based on the same mathematical description of various phenomena. The purpose of the article. Its purpose is to determine the role of modeling to create architectural planning of the center of relaxation at the airport based on a functional, urban planning and analysis of existing facilities and their improvement. The basic part. The term “modeling” means study objects using their models. In a broader sense, it is understood as a process of modeling, which includes not only research, but also the development of the model.[7] The method of modeling is how to create a model of the phenomenon under study. In some research models for are understood as certain material analogues which may give an idea about the object, in other - models take the form of a certain description of phenomena by means of a language. In modern conditions, research models can be divided into two groups: physical and mental, and material model is actually implemented by the device, a simplified and modified copies scale natural object modeled. In other cases, it is an analog model based on the same mathematical description of various phenomena. - When in practice it is necessary to a simplified representation of the original object information to support the information of people working with him; - Work at training with a simulated system, etc. To perform its functions, the model must meet two basic requirements: be simple enough that unlike the original, it could be explored, experiment with it; be similar to the original object, with the necessary completeness reproduce its properties.[9] That is why the model is indeed necessary to consider such a complex object in terms of its connections with the system - the airport. Construction of the system model is based on the synthesis of different system views. For specific tasks can be used and theoretical system models.[1] The model is a artificial object that reflects the functional structure and behavior of the real system under investigation - relaxation center. For its simulation are important functional features of processes that create architectural environment.[3] Because the compilation of architectural and planning structure consists of a situation analysis (comprehensive diagnose problems and to clearly define their source and nature), as well as finding and developing possible solutions of the problem, taking into account available resources and evaluate the possible consequences of each option, modeling just satisfies all these requirements.[4] So it is needed to conduct modeling of the center of relaxation according to the main functional and planning characteristics. Functioning of this type of relaxation center largely depends on placement. That is what will determine the types of recreation of workers from work, rehabilitation of physical and psychological capabilities, comfort stay of other users. Center may be in the space of the airport system, outside its territory, as well as a separate unit in the city environment. This is determined by the needs of each transit node, its size and throughput. As an example, we can consider the urban modeling (Pic.1). Each model of the relaxation center has its own specific advantages and disadvantages of placement. Therefore, projecting it into the airport system should be considered the specific conditions that match a given situation and functionally fit to transportation hub depending on the country, the needs of the population and of passenger traffic. To make the most of functions of the center of the relaxation, it can be used some of the solutions to problems that arise when constructing it in a particular position. Thus, by modeling it was determined urban features of center's accommodation. Based on the identified results it is possible to identify further characteristics of building with use of various types of functional models and planning organization. These models will be useful to formulate the requirements for architectural and planning structure of the relaxation center at the airport.Pic.1 Urban modeling. ТА – territory of the airport; T – terminal of the airport; Rc – relaxation center; Tl – transport links; C – city. Conclusions Specialized multi-functional relaxation center for employees and visitors of the airport will not only provide proper rest, but will also reduce the risk of human factor influence on flight safety. Thus, we can achieve a higher level of the number of passengers at the airports, as well as provide avoid stressful situations. The analysis of the current state of the airport and examples of international practice shows that there are a number of problems that can be solved using modeling to ensure complete functionality, solve the lack of employment during transit, recreation and stress relief. The combination of variety decisions of accessibility and of separateness functions of the multifunctional center of relaxation, as well as placing it in the airport environment will create a comfortable space to stay and meet the needs of all categories. So there is a need to create multiple models, which further define the necessary requirements for the organization of the centers. References

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