

інтегруватись із внутрішнього в зовнішнє середовище. Найбільш повно система «архітектурно-просторових меж» представлена в сучасній архітектурі.

Саме ці питання є сьогодні актуальними з урахуванням новітніх містобудівних концепцій, що дозволяють регламентувати міські простори, поліпшити поліфункціональну структуру урбанізованих територій і передбачити заходи щодо збереження та відновлення природного середовища міста.

Важливо підкреслити, що на сучасному етапі в освітній архітектурній галузі, яка розвивається швидко та інтенсивно, формуються новітні форми навчання, дистанційні методи роботи зі студентами за допомогою сучасних програмних засобів (Zoom, Teams), де комплексні навчально-освітні процеси надають технологічні можливості діалогового спілкування, професійного розвитку та здатні до миттєвої інтеграції.

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## **LATEST POSSIBILITIES OF PROJECT ACTIVITY IN THE FORMATION OF MODERN ARCHITECTURAL OBJECTS**

At the present stage of development of architectural and town-planning activity, the important result of theoretical, scientific-practical and educational directions is revealing of modern tendencies of architectural objects formation in structure of the city. Important in this sense are modern methods, techniques and approaches to addressing the formation of new buildings and complexes in the existing urban environment and the development of new urban concepts.

Today, architectural and design activities are in the process of economic change, professional transformation and implementation of interesting creative ideas. The purpose of these ideas is to design and build qualitatively new types of buildings and structures that meet modern development requirements.

Creative searches, high technologies and engineering and technical possibilities contribute to the formation of the latest high-quality multifunctional complexes. These complexes actively influence the development of the urban planning industry and the formation of the architectural environment of the city.

It is important to note that usually, in the process of architectural development there is a desire to create a newer, unique and unusual building, which is not based on the generally accepted principles of architectural structures. Today, the modern architectural and construction industry is developing rapidly and intensively; the processes of its development are capable of instant integration.

New approaches to solving scientific and practical problems, the use of new tools and new technologies, advanced research methods, interactive information exchange and rapid adaptation of educational and project results allow this industry to function better and, most importantly, increase its productivity.

Architectural and design activities today require new views, modern creative ideas, conceptual solutions and innovative approaches. The aim is to develop and implement modern multifunctional buildings and structures that meet urban development requirements. Moreover, it contributes to the growth of qualitatively new types of buildings and structures that directly affect the development of the architectural industry and improve the subject-spatial environment of the city.

Analysis of scientific and practical experience in the development of architecture of buildings and structures suggests that modern architects are quite actively looking for new progressive solutions, the latest forms. They want to materialize their own ideas and creative concepts. The presence of modern high technologies provides new engineering and technological capabilities of the design process and provides complete freedom in the creative search for their own image for any architectural object.

A feature of the modern design process is the search for progressive architectural and urban planning concepts, new methods of development and generation of these concepts, their reflection in architectural forms, stylistic features and patterns of modern development of architectural theory and practice.

The issues of formation of knowledge, skills and competencies of students of architectural and artistic specialties and modern educational approaches and methods of teaching specialized professional disciplines are important. At the present stage, the provision of educational services is transformed into the latest approaches and methods, where students are able to apply the presented material using modern software technologies and graphics tools in the architectural and design process. In this sense, the ability of students-architects to apply modern theoretical and methodological, scientific and practical and comprehensive approaches to solving problems of formation and development of architectural and urban planning and architectural and design environment is important.

Modern methods of architectural education improving and the availability of modern engineering and technological capabilities of the design process gives complete freedom in the creative search for their own image of any architectural object. We should note that the peculiarity of the modern formation of the architectural environment is the search for progressive creative concepts, methods of development and generation of these concepts, their reflection in architectural forms, stylistic features and patterns of modern theory and practice of architecture.

The growth of modern cities has led to many problems that hinder the rational use of the territory and the comfortable functioning of architectural

objects: environmental, urban, social, economic problems. In addition, in modern society there is a transition from mono-functionality to poly-functionality of buildings and structures, which is a natural phenomenon today. This transition occurs because of the compaction of the urban environment and the existence of a large number of functional flows in one place. The decisive stage in the development of the architectural-spatial model of such complexes is the construction of an architectural object as a continuous system of communication spaces.

It is important to emphasize that in any variant of functional construction of objects and in all the diversity of their spatial development, the communication system is the connecting link that provides the main structural functional connections of these objects with the urban environment.

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## **MODERN TRENDS IN THE FORMATION OF MULTIFUNCTIONAL ARCHITECTURAL OBJECTS**

The latest socio-economic and architectural-urban conditions of large cities are characterized by extensive expansion of territories, high levels of urbanization, increasing the use of transport communications, increasing the pace of construction of buildings and structures. At the same time, there is a lack of complexity and balance of urban development, underdeveloped engineering and transport infrastructure, lagging behind in the development of peripheral areas.

That is why today such aspects as the maximum efficiency of use of the city territory, acceptance of innovative design decisions in the existing city environment are important. However, it should be said that today, in modern conditions, it is difficult to realize the investment potential of the city and create a modern urban environment for quality living and successful business activities.

Fundamentally new, modern conditions for the development of multifunctional facilities, determine the need to form the latest technological processes, to analyze the scientific and practical world experience in designing such facilities and identify conditions for development in the structure of large cities.

In this regard, there is a problem of development and formation of modern buildings of multifunctional complexes in the existing urban environment, where this problem will determine the guidelines for construction companies, investors and government agencies.