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Territorial reserves of major cities: Challenges, experience, solutions

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Abstract

© 2016, International Journal of Pharmacy and Technology. All rights reserved. Currently, the problem of territorial reserves is quite relevant for dynamically developing urban systems, since a large city feels an increasing need for the new development resources such as areas, infrastructure, water sources, etc., but many of them turn out to be exhausted or close to exhaustion within the urban area. This paper deals with the approaches to the problem of deficit in areas within the city limits based on the analysis and generalization of the world and Russian experience in the urban planning policy. Practice has shown that the territorial problems in cities may be solved by increasing the area of the city, urban densification, demolition of buildings and structures, by transferring industrial enterprises outside the city margin, high-rise construction, by creating filled (reclamation) areas, and underground construction. The paper deals with the features, advantages and disadvantages of the considered approaches to the designated problem of land shortage within the urban area. Considerable attention has been paid to environmental issues arising out of the implementation of any variant of solving the territorial problems of the city. The study found that the decision of the territorial deficit in the process of urban development has a complex nature. To achieve the best effect, it would be appropriate to use the combinations of various approaches, covered in this paper, in the urban planning practice.

Keywords

Building sealing, City, Demolition of buildings, High-rise building, Territorial reserve, Underground structures