

# Planning Fundamentals in Construction Activities

D. Lesova<sup>1</sup>, National Research Moscow State University of Civil Engineering, less.dinara@gmail.com

<sup>1</sup> Moscow, Russia

**Citation:** Lesova D. Planning Fundamentals in Construction Activities, *Kompetentnost' / Competency (Russia)*, 2020, no. 2, pp. 39–43. DOI: 10.24411/1993-8780-2020-1-0207

## key words

management, construction activities, general, target, strategic, operational planning, plans, principles, methods

In this article, I have investigated the dependence of the construction company success on the quality of management and planning. I have analysed the types of planning and examined the negative factors of influence in order to prevent them in a timely manner, and also have examined the causes and degree of influence. I believe that for the efficient operation of an enterprise, it is necessary to plan its activities on the basis of modern principles and scientific methods.

Production programme creation is supposed to be one of the main planning parts. It allows achieving a balance of plans and production capacity of a construction enterprise. Constant monitoring of external processes, analysis of the occurrence and impact of possible risks, modelling the enterprise development in case of adjusting the goals and directions of the enterprise, as well as forecasting changes in market situations are required to achieve the planning goals.

## References

1. Shirshikov B.F. Organizatsiya, planirovanie i upravlenie stroitel'stvom [Organization, planning and construction management], Moscow, ASV, 2016, 528 P.
2. Oleynik P.P. Organizatsiya, planirovanie i upravlenie v stroitel'stve [Organization, planning and management in construction], Moscow, ASV, 2015, 160 P.
3. Kalashnikov A.A., Vatin N.I. Organizatsiya, upravlenie i planirovanie v stroitel'stve. Bazovye printsipy i osnovy organizatsii investitsionno-stroitel'nykh proektov [Organization, management and planning in construction. Basic principles and foundations of the organization of investment and construction projects], St. Petersburg, *Politekhn. un-t*, 2011, 189 P.
4. Osipov K.Yu. Osobennosti operativnogo planirovaniya v stroitel'stve [Features of operational planning in construction], *Molodoy uchenyy*, 2018, no. 3, pp. 44–46.
5. Postovalova A.A., Postovalov A.I. Planirovanie stroitel'nogo proizvodstva [Construction production planning], Moscow, *GASIS*, 2011.
6. Pantileenko V.N. Organizatsiya, planirovanie i upravlenie v stroitel'stve [Organization, planning and management in construction], Ukhta, *UGTU*, 2008, 144 P.
7. Buzyrev V. Planirovanie na stroitel'nom predpriyatii [Planning at a construction enterprise], Moscow, *Akademiya*, 2005, 336 P.
8. Tetika M., Peltokorpia A., Seppänen O., Holmström J. Direct digital construction: Technology-based operations management practice for continuous improvement of construction industry performance, *Automation in Construction*, v. 107, November 2019, 102910.
9. Zott Ch., Amit R. Business Model Design: An Activity System Perspective, *Long Range Planning*, v. 43, April–June 2010, no. 2–3, pp. 216–226.
10. Wirtz Bernd W., Pistoia A., Ullrich S., Göttel V. Business Models: Origin, Development and Future Research Perspectives. Author links open overlay panel, *Long Range Planning*, v. 49, February 2016, no. 1.

ПОЛИГРАФИЯ  
АСМС

(499) 175 42 91

верстка и дизайн  
полиграфических изделий,  
полноценная цифровая печать,  
ч/б копирование