

Comprehensive Risk Assessment Model in Agile Construction Environment

Authors : Jolanta Tamošaitienė

Abstract : The article focuses on a developed comprehensive model to be used in an agile environment for the risk assessment and selection based on multi-attribute methods. The model is based on a multi-attribute evaluation of risk in construction, and the determination of their optimality criterion values are calculated using complex Multiple Criteria Decision-Making methods. The model may be further applied to risk assessment in an agile construction environment. The attributes of risk in a construction project are selected by applying the risk assessment condition to the construction sector, and the construction process efficiency in the construction industry accounts for the agile environment. The paper presents the comprehensive risk assessment model in an agile construction environment. It provides a background and a description of the proposed model and the developed analysis of the comprehensive risk assessment model in an agile construction environment with the criteria.

Keywords : assessment, environment, agile, model, risk

Conference Title : ICCTQM 2018 : International Conference on Construction, Time and Quality Management

Conference Location : Paris, France

Conference Dates : March 15-16, 2018