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### **Decision Making in Construction Management: AHP and Expert Choice Approach**

Access to case study research on multi-criteria decision-making model in construction management added to PMWL



Provided by [Aizhan Aliakbarova](#)

16 May 2017 – Almaty, Kazakhstan – A new resource has been added to the PM World Library related to project management in the construction sphere. The new resource is titled “*Decision Making in Construction Management: AHP and Expert Choice Approach*”.

This paper describes interesting research on a specific multi-criteria method (MCDM) in construction management. Since one of the key issues in construction is selection of a contractor, then effective and reliable decision-making methods and tools shall be applied in order to be more secure from construction risks. During this study, researchers showed disadvantages of the low-bid method and developed a model for multi-criteria decision based on Analytic Hierarchy Process (AHP) and a multi-objective decision support tool “Expert Choice”. As a result of the research a nine-stage model for solving decision making problems in construction is suggested. Those criteria are: technical experience; performance recourses; financial stability; management performance and employees qualification; capacity; safety record; operation and equipment.

To access this new resource, go to <http://pmworldlibrary.net/applications-and-topics/>, click on “Procurement Management”, scroll down and click on “*Decision Making in Construction Management: AHP and Expert Choice Approach*”. Must be registered and logged in to access.

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[Decision Making in Construction Management: AHP and Expert Choice Approach](#) – a paper published in February 2017 by Elsevier Ltd. Describes research and an effective multi-criteria decision model for choosing contractors in construction. To read article, go to: <http://www.sciencedirect.com/science/article/pii/S1877705817306173> . For more, visit <https://www.elsevier.com/> ([Aliakbarova](#))

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URL for information about or location of the resource:

<http://www.sciencedirect.com/science/article/pii/S1877705817306173>