

The analysis of the role of the project manager in production companies from the aviation industry in Poland

Ph.D. thesis in the field of management sciences, written under supervision of Jacek Strojny, Ph.D.

Abstract

The Ph.D. thesis started from the critical review of the literature. The basis to the review as also conducting qualitative and quantitative research was the main problem formulated in the form of the research question: How do the manufacturing companies from aviation industry perform the role of project manager? The main problem indicates the directions of further research inference. As a result, the main goal was defined: Characterization of the role of the project manager in manufacturing companies from the aviation industry in Poland.

The review has been taken in the topics related to project management and project manager on specify the universal elements of the role of a project manager. The elements were defined in relation to the importance of these elements in production companies from the aviation industry. Then, a multidimensional model was created to describe the role of a project manager in manufacturing companies in the aviation industry in Poland. The Ph.D. thesis ends with the diagnosis of the role of the project manager in production companies from the aviation industry in Poland.

The chapter I discusses the essence and significance of projectization in the modern economy. The chapter presents the impact of projectization on the functioning of production companies in the aviation industry, as well as on the competences of the project manager in the labor market.

The chapter II introduces the topic of project management taking into account the development of the discussed topic over the years. Then, the role of the project manager in enterprises by various approaches to project management was discussed (methodologies, guidelines).

The chapter III is an introduction to the empirical part of the dissertation. The chapter discusses research issues along with the main question and specific questions. The chapter presents the results of the study in the form of an interview that supported the definition of detailed questions for the actual study. This chapter presents the adopted research methods and the research process along with a discussion of individual stages. The chapter ends with the presentation of the multi-criteria AHP (Analytic Hierarchy Process) research method, which significantly contributed to the refinement of the results obtained from the questionnaire.

The chapter IV combines all the previous considerations. The chapter is a kind of an attempt to use empirical research to verify the design maturity of an organization and what constitutes the basis for design maturity from the point of view of the literature scope. The chapter compares the results of the survey questionnaire with the results obtained from the multi-criteria AHP method, allowing for a comparison of the situation in enterprises from the point of view of the discussed issues along with their significance from the point of view of project management theory.

The result of the analysis is a verification maturity of manufacturing companies from the aviation industry in Poland. The analysis allowed to create a model of the multi-criteria role of a project manager in companies from the aviation industry. The thesis presented observations, challenges related to the research, as also topics to the further analysis.