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Airport's Macedonia runway construction management

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ABSTRACT

The technological advances of the late decades led in the rapid evolution of the construction industry. The combination of this progress with the increased demands for predetermined performance specifications highlight project management as the best necessary way out. Through the project management process requirements of the work are defined, the extent of the work is established, required resources are allocated, work has been planned and monitored with any schedule deviation already been adjusted. The accomplishment of the above leads to client's satisfaction in time, with quality, within cost and performance. In this thesis we examine the case study of airport's Macedonia runway. The construction of runway 10 - 28 is a project that requires a Cost Benefit Analysis in order to evaluate and ensure the investment. Moreover Health and Safety legislative obligations are to be considered. We analyze the Work Breakdown Structure, quality, resources and risk management for our case study. We approach time and cost management through MS Project while we crash our schedule in order to maximize performance and minimize the total cost. Finally, we are reviewing what is successful project management and its future prospect.

KEYWORDS

Successful project management, programming, Gantt chart, crashing schedule, risk management