

## **TITLE OF MASTER THESIS**

Evaluation of Existing Structures regarding Public Infrastructure Projects' Management. Comparative Analysis and Proposals for further Improvement from the Thessaloniki Metro Construction Project.

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## **ABSTRACT**

During the execution of a Public Infrastructure Project the Constructor's and Supervision's Management Systems must co-exist. This co-existence has repeatedly shown weaknesses, whose detection has been the initial aim of the present thesis. The infrastructure project chosen as representative, as far as the management tools used are concerned, is the Thessaloniki Metro Construction, due to the parties involved. It is executed by one of the largest construction companies in Greece and supervised by the only Agency with such specialized know-how. Firstly, the Management Systems used for the above project were analytically described, in order for any possible weaknesses to be detected. An attempt has then taken place to visualize these weaknesses, through flowcharts for chosen processes, which were drawn for the total of the activities and procedures followed by both sides. After that a set of interviews was scheduled, with people employed at both sides of the project, in order for the weaknesses detected and visualized to be confirmed. All the above have led to certain conclusions regarding the cause of these weaknesses and to the proposal of methods that can be used for the optimization of the existent Management Structures.

## **KEYWORDS**

Management System, Public Infrastructure Projects, Constructor, Supervision.