

TITLE OF DIPLOMA THESIS

Analysis of safety and health systems in gas pipeline projects – The case of TAP (Trans Adriatic Pipeline)

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ABSTRACT

The construction sector in Greece, according to statistics and studies of several years, is associated with numerous work-related accidents. Indeed, these industrial accidents are a major part of all our country's accidents. It is therefore of particular value to address the issue of the occupational risks posed by construction works, the legislation currently in place for the health and safety of workers and, finally, to make proposals to reduce them as much as possible. In the present diploma thesis, the bibliographic research and the recording of the existing Greek legislation are being followed methodically, dealing with the issue of occupational risks and safety measures, as a case study, the construction of the TAP (Trans Adriatic Pipeline) gas pipeline, with the extraction of valuable conclusions and proposals on the findings of the common practice in construction projects. The work is divided into two parts: the first part analyzes and classifies the occupational hazards, the causes and their consequences, as well as the methods of their assessment. The basic legislation and regulations relating to the health and safety of workers in the construction industry are listed below. Emphasis is placed on ways of preventing accidents at work by bringing workers and supervisors to compliance with legislation. The second part of the paper presents the case study. It records what has been observed on the part of workers and supervisors in terms of hygiene and safety and what could be improved in a future project in accordance with current legislation. Consequently, conclusions are drawn on occupational risks in construction projects and suggestions for future research are emerging.

KEYWORDS

Health and safety systems, gas pipeline projects, occupational risks.