

TITLE OF DIPLOMA THESIS

Comparative Assessment of the Fleet Management Software – Investigation of the Greek Construction Market Needs

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ACADEMIC YEAR

2019-2020

ABSTRACT

A major problem of construction companies nowadays is the proper and effective management of the fleet at their disposal. Fleet management is a feature that allows companies to avoid or minimize the risks associated with investing in equipment, improving efficiency, productivity and reducing overall transportation costs, providing full compliance with national and international regulations. Fleet Management can include a variety of functions such as equipment leasing, maintenance, licensing and compliance, supply chain management, accident management, subrogation, equipment tracking via GPS, driver management, speed management, fuel management, health and safety management, and equipment resale. All this is made possible using modern Fleet Management Software. Fleet management software allows people to perform several specific tasks in managing all aspects of a company's equipment fleet. These specific tasks include all the tasks from the equipment's acquisition, to its disposal. The software, depending on its capabilities, enables functions such as recording equipment and operator details, tracking procurement costs, scheduling maintenance tasks, entering fuel transactions, and measuring fleet performance through reports and charts. In this research the functions of the most used fleet management software internationally are searched and compared. Also, the features of the software that are considered necessary are investigated through questionnaires and interviews sent to the managers of construction equipment in Greek construction companies and public institutions. Points of weaknesses in practical use of such software products are emerged and discussed to highlight areas of improvement.

KEYWORDS

Construction Equipment, Fleet Management, Fleet Management Software, GPS.