



## **ACADEMIC YEAR 2009 – 2010**

### **TITLE OF DIPLOMA THESIS:**

Existing and Programming Port Infrastructure of the Ports of Thessaloniki, N. Karvali  
& Alexandroupolis

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### **ABSTRACT**

The National Port Policy has the key strategic objective to upgrade and reclaim the existing and new port infrastructure of the country to ensure faster, more attractive and economical transport of passengers and goods.

This thesis deals with the recording of existing port infrastructure and the presentation of future projects and changes in spatial organization of the port of Thessaloniki, the new commercial port of Kavala and the port of Alexandroupolis, which are the three major commercial ports in Northern Greece. The ultimate objective of this thesis is the promotion of opportunities that these ports will obtain after the completion of the programming projects.

The port of Thessaloniki (Thessaloniki Port Authority SA) belongs to the two ports of national importance and is a powerful and modern European port. Today, it advances in the expansion project of the sixth container pier in order to double its capacity in TEU. In the future it is likely that a recreational marina in the first pier of the port is going to be constructed while the creation of the Freight Centre in Thessaloniki, which is directly dependent on the port will be held. These projects could be beneficial for both the port of Thessaloniki and the city itself.

The new commercial port of Kavala, Philip II, who is located in New Karvali, was decided to be built due to the difficulty of the most central port of Kavala to serve the existing freight traffic. This new port is being constructed and still expanding and has been declared as a port of major importance. At present the port is extended to the north side and there is a possibility for expansion to the east. Upon completion of the projects the Port Philip II will have all the physical and chemical characteristics and potential for development into a first-sized commercial port in the eastern Mediterranean.

The Port of Alexandroupolis (O.L.A. SA) is evaluated as an important port of major interest because of its strategic position. The port is currently running tasks of dredging the basin and the excavation of the navigation channel. The port in order to organize the use of its existing infrastructure it is about to implement a new Spatial Organization and to introduce new equipment for the land area of the port. A future plan is the creation of a freight center directly dependent on the port. The completion of the upon projects and the implementation of the organizational change will result in a port facility which will be much wider than the current, that intends and aspires to be upgraded - from a local interest port that is today – to a major regional port, integrated in the Trans-European transport network, addressing to a port with a versatile character.



**KEYWORDS**

Port infratrudure, Existing structurer, Programming structurer