Small Craft Harbours

- **Widening of a coastal road section and installation of moorings at the Port of Lipsi (2025):** The scope of this contract is the preparation of a study for the construction of a new quay wall in order to expand the harbour's land zone and widen the coastal road of the Lipsi small craft harbour, specifically over the section in front of the tourist boat mooring pier, as well as the installation of moorings (either by relocating existing ones, or by installing new ones). The following study types are included in this project: Port Engineering, Electromechanical, Hydraulic, and Environmental studies, along with a Health and Safety Plan in accordance with current legislation. Also, preparation of Tender Documents was included in the scope. The study is conducted on behalf of the Directorate of Port Infrastructure of the Ministry of Maritime Affairs and Insular Policy.

- **Technical Study for Alinda Marina, Leros (2023**): A technical study was prepared for a bid concerning the Alinda Tourist Marina in Leros. The design provided for light decks resting on solid blocks founded on the seabed. The typical utility outlets were foreseen along the decks. The project can cover up to medium length sailing boats; it has been constructed and operates successfully.

- **Study of the fishing harbour of the community of Driopi Troizinias (2005):** Preliminary design through to final design and tender documents including a Health and Safety Plan in accordance with current legislation.

- **Preliminary study for the Fishing Shelter of the Municipality of Molos, Phthiotis (2004):** Design and dimensioning of the required works to serve the port infrastructure needs of the local fishermen, following an investigation of wave and bathymetric conditions. The project comprises Coastal engineering study, Preliminary study, Final study, and Tender Documents.

- **Redevelopment of the Alepochori Fishing Harbour (2003):** This project refers to the rehabilitation of a small fishing shelter at Alepochori beach, with the aim of increasing its capacity to 120 recreational boats and 15 fishing vessels, improving the level of service, and providing better protection from weather conditions. Reconnaissance report.

- **Tender study for the construction of a marina at the port of Vrachati, Corinthia:** The project included estimation of wave conditions, dimensioning of extension and widening works for the existing breakwater, inspection and completion of the existing armour slope, foundation calculations, assessment of siltation and coastal dynamics, and superstructure equipment. Bills of quantities and construction costing.

- **Detailed design of the fishing shelter at Ag. Serafeim, Phthiotis (1998):** Study of wave and coastal engineering conditions. Design and detailed dimensioning of quay walls and all related works (access bridge, quays, dredging, coastal erosion protection). Bills of quantities and costing.

- **Study of the fishing port of Megalochori, Troizinia:** Commissioned by the Prefectural Fund of Attica. This concerns a natural harbour that hosts a large number of fishing vessels. The main needs of the port-to-be refer to the protection from waves and the creation of quays to service

the boats. Key project data: length of external works: 50 m, length of quays: 165 m, developed area: 3,000 m^2.

- **Study for a fishing harbour at Porto Rafti, Attica**

- **Study for a leisure craft marina at the Scarlet Beach Hotel in Ermioni, Argolida:** Design of a marina with a capacity to accommodate 150 vessels from the surrounding area. It includes external and internal marine works as well as the development of onshore recreational areas.

- **Study for the extension of Galatas quay, Poros:** The quay extension covers the section from the ferry pier to the Vaiannis ice factory. The project includes a quay with a total length of approximately 300m, featuring base supporting structures designed to absorb waves generated by passing vessels.

- **Study for the fishing port of Fourni, Ikaria:** The port works included external wave protection structures and internal quays to service fishing vessels. Due to the nature of the seabed, the quays were designed as reinforced concrete slabs on steel piles. As part of the study, a specialized study of wave disturbance within the harbour basin was conducted using modern numerical models, in collaboration with the internationally recognized Delft Hydraulics Laboratory (subsequently Deltares) in the Netherlands. Project data: length of external works: 100m, length of quays: 300m, developed area: 7,000 m^2. The study was conducted on behalf of ADK Consulting Engineers.

- **Study on the national requirements for fishing harbours in the Prefectures of Euboea, Phthiotis, Magnesia, and Chios:** The purpose of the study was the selection and preliminary design of the most suitable sites for small fishing harbours in the aforementioned regions of central Greece including two main islands. Within the framework of this study, over 60 fishing shelters were inspected on-site and evaluated, and the appropriate internal and/or external works for the improvement of these small harbours were proposed. The study was conducted on behalf of ADK Consulting Engineers.

- **Study for the Patras Marina, with a final capacity of 1,000 vessels:** This marina is to be constructed in the northern part of Patras and, together with existing sports facilities, will create a broader recreational area. The design philosophy of the marina follows that of the Rhodes Marina. It is noted that the Patras marina is planned to be implemented via excavation in a currently underutilized marshy area, resulting in significant cost savings for the overall project, particularly for the external protection works. Project data: length of quays 2,500 m, developed area 150,000 m^2. The study was conducted on behalf of ADK Consulting Engineers for the National Tourist Organisation of Greece.

- **Design of the Faliraki marina in Rhodes, Greece:** This project involved the design of a marina for 1,000 pleasure craft in Faliraki, Rhodes, property of the Greek Tourist Organisation. The study aimed to create a modern marina with all ancillary services, e.g. water and electricity at all berths, a refueling station, a boat repair unit, etc. Also, provision was made for recreational facilities with ample space to allow the marina to evolve into a leisure area with commercial activity, restaurants, cafes, etc., in accordance with international standards. This aims to both attract high-end tourism and create a hub and/or center of activity for local residents. As part of the project, a specialized study was conducted using advanced computer software to analyze wave penetration into the marina, ensuring low wave disturbance within the harbour

basin. Project data: length of external works 700 m, length of quays 2,000 m, developed area 100,000 m². The study was conducted on behalf of ADK Consulting Engineers.