

# Marine

Marine Works During the past decade A.A. Associates has carried out complete pre-design investigations including hydrographic and bathymetric survey, coastal studies, wind studies and geotechnical investigations related to the design of marine structures. The design office of the company is fully equipped to carry out the analysis and design of marine structures including dedicated berths, jetties, wharves, quay walls, access bridges, cofferdams, bulkheads, dry docks and related infrastructure facilities.

Some of the relevant prominent works are:

- Design Review & Construction Supervision Services for Reconstruction of Jetties at Baba & Bhit Islands
  - Feasibility Study in Connection with Rehabilitation / Reconstruction of China Creek Bridge No. 04 over Sea on Kemari-Karachi Section
  - Design Engineering and Construction Supervision Services for the Civil works related to Frigate Construction Project (Package - I)
  - Design Engineering Services for Marine Civil works related to Rehabilitation of Dry Dock 1 and 2 (Package - II)
  - Design Engineering Services for Marine Civil works related to Installation of Ship Lift and Transfer system and associated parking Bays for ships and submarines at KSEW (Package - III)
  - Repair and Rehabilitation of Structural Members of Dry Dock No. 2 and Pump House of Dry Dock No. 1
  - Design of Bridge connecting deep draft Berth with Manora and Bridge connectivity with Cargo Village
  - Conversion of Berths into Cargo terminal (Initial Study)
  - Rehabilitation of Naval Dockyard Quay Wall (Investigation)
  - Preparation of Ship Drawings for alternative design of Jetties and other marine structures
- Featured Projects

Bridge connecting Deep Draft Berth with Manora and Bridge connectivity with Cargo Village

Design and Construction Supervision Services for Civil works related to Frigate Construction Project

Design Engineering Services for Marine Civil works related to Rehabilitation of Dry Dock 1 and 2

Design Engineering Services for Marine Civil works related to Installation of Ship Lift and Transfer System and Associated Parking Bays for Ships and Submarines at KSEW

Repair and Rehabilitation of Structural Members of Dry Dock No.2 and Pump House of Dry Dock No. 1