



## NAVAL BASES

**SEATEC** SARL

*We understand the language of Waves*

### LEBANON

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## ***SUPERVISING EXPERTS AND TECHNICAL ENGINEERING CONSULTANTS SINCE 2000***

### **/ ABOUT US /**

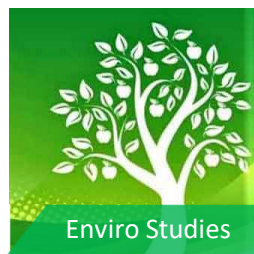
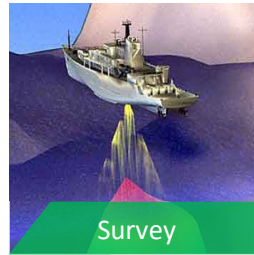
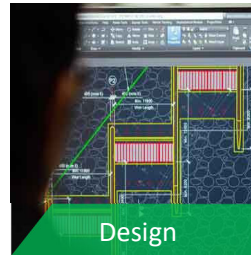
**SEATEC** provides its clients with design and supervision services in coastal and port engineering, covering surveying, site investigation, tender and detailed design, numerical modeling, feasibility and EIA studies, permitting, construction planning, management and supervision.

Serving public as well as private sectors in Lebanon and abroad since 2000, **SEATEC** is dedicated to give its clients the best engineering assistance.



## OUR SERVICES

*SEATEC IS COMMITTED TO PROVIDING ITS CLIENTS  
WITH THE BEST ENGINEERING SERVICES COVERING THE FOLLOWING:*



## Naval Bases - SEATEC scope

### • DESIGN

- Conceptual, Tender and detailed design
  - o Naval bases overall layout
  - o Dredging plan
  - o Berthing configurations
  - o Navigation plan (ATON)
  - o Marine structures (Breakwaters - quay walls - platforms)
  - o Facilities within the marina (Lift / hoist facility - slipway - fueling station)
  - o Cars circulation / parking
  - o Landscaping
  - o MEP (Electrical and water supply, power pedestals...)
  - o Feasibility studies
  - o Detailed drawings
  - o Tender documents, technical specification and BOQ
  - o Assistance of Client in bidding procedures
  - o 3D views and animation
- Modeling
  - o Numerical modeling of deepwater and nearshore waves and basins disturbances
  - o 2D/3D physical modeling and collaboration with international companies
- EIA / Permitting
  - o EIA studies
  - o Permits follow up

### • SURVEY

- Topographic survey
- Bathymetric survey (multi beams echo sounding)
- Underwater inspection (diving, underwater pics and videos, sampling, assessment of existing structures conditions)
- Geotechnical investigation: Follow up on site of drilling and sampling operations (onshore and offshore)

### • SITE SUPERVISION

- Follow up by SEATEC supervision team of works execution on site (daily presence)
- Instructions for contractors
- Inspection
- Approval of contractor payments

|              |                                                    |
|--------------|----------------------------------------------------|
| <b>MPWT</b>  | : Ministry of Public Works and Transport           |
| <b>DGLMT</b> | : Directorate General of Land and Marine Transport |
| <b>DGRB</b>  | : Directorate General of Roads and Buildings       |
| <b>POTA</b>  | : Port Of Tripoli Authority                        |
| <b>EDL</b>   | : Electricité Du Liban                             |





## NAVAL BASES

- **LEBANESE NAVY MARINE BASE (TRIPOLI • LEBANON - CLIENT : LAF)**

- Supervision of dredging works and debris removal from basin. (2011)

- **LEBANESE NAVY MARINE BASE (AMCHIT • LEBANON - CLIENT : LAF)**

- Preliminary Design of a marine base (Breakwaters, quay walls, RC crown wall, platforms, slipway). (2013)

- **ISF MARINE BASE (DBAYE I LEBANON – CLIENT : ISF)**

- Preliminary design of a marine base (Breakwaters, quay walls). (2007).
- Detailed design of the marine base (Breakwaters, quay walls, RC crown wall and platforms, slipway). (2012)

- **SHARJAH COAST GUARD BASE (UAE)**

- Technical Consultancy, BOQ pricing and method statement for contractor. (2005)

- **BAYA COAST GUARD BASE (UAE)**

- Technical Consultancy, BOQ pricing and method statement for contractor. (2005)



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**THE END**

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