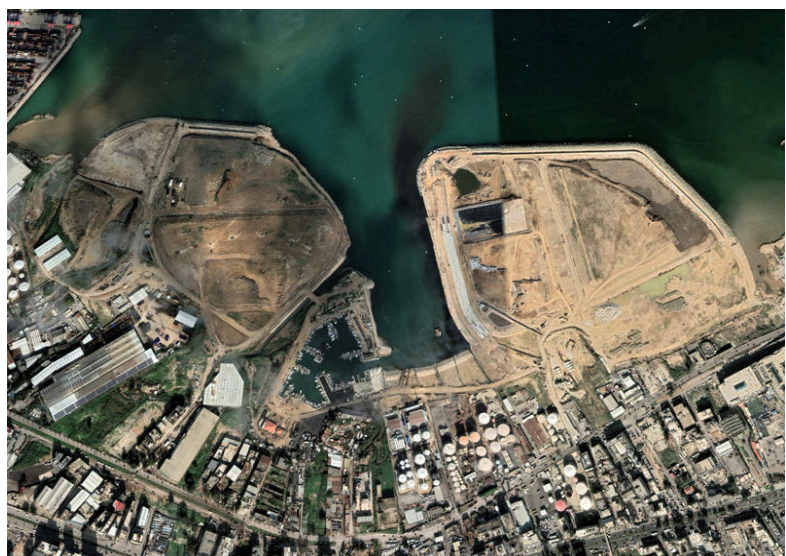




OIL AND GAZ TERMINALS

SEATEC SARL

We understand the language of Waves

LEBANON

BYBLOS, DOWN TOWN, 31 ERNEST RENAN ST, BEAYNI CENTER, 1ST FLOOR

PH : 00961 9 55 00 22

FAX : 00961 9 55 00 44

MOB : 00961 3 29 10 30

WEB : WWW.SEATEC-SARL.COM

EMAIL : SEATEC@SEATEC-SARL.COM





SUPERVISING EXPERTS AND TECHNICAL ENGINEERING CONSULTANTS SINCE 2000

/ ABOUT US /

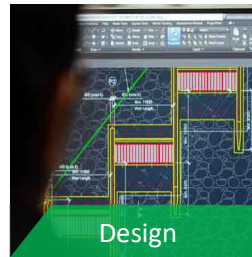
SEATEC provides its clients with design and supervision services in coastal and port engineering, covering surveying, site investigation, tender and detailed design, numerical modeling, feasibility and EIA studies, permitting, construction planning, management and supervision.

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 ✓

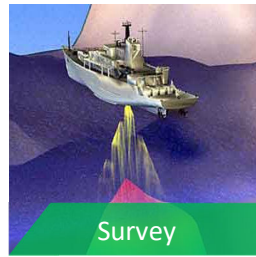
*SEATEC IS COMMITTED TO PROVIDING ITS CLIENTS
WITH THE BEST ENGINEERING SERVICES COVERING THE FOLLOWING:*



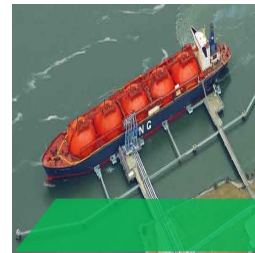
Design



Supervision



Survey



Enviro Studies

SEATEC scope

• DESIGN

- Conceptual, Tender and detailed design
 - o Oil and Gaz Terminal overall layout
 - o Dredging plan
 - o Berthing configurations
 - o Navigation plan (ATON)
 - o Marine structures (Breakwaters - quay walls - platforms)
 - o Facilities within the Terminal
 - o Vehicules circulation / parking
 - 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

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





Oil & gas Terminals

OIL and GAS TERMINALS

- **RECNOB (LEBANON – CLIENT : Chamber of Commerce, Industry, Agriculture of Tripoli and North Lebanon)**
 - Conceptual Design of a Land reclamation from Tripoli to Klayaat at Northern Lebanon, covering an area of 11,700,000m² along a coastal length of 20km, including the extension of the Tripoli port container terminal (Main quay wall @ -15.00m, L=1000m, container terminal platforms (1,750,000m²), a LNG / oil and gas jetties / zone, industrial, general cargo and mineral terminals zone, and the extension of the Klayaat Airport. (2019 - 2021)
- **COGICO TERMINAL (LEBANON – CLIENT : BBE Power ltd)**
 - Design of a new tanker berth @ -14.00m, L=450m (extension of the existing quay wall). (2017)
 - Extension of the breakwater with Accropodes blocks armor layer. (2017 - 2021)
- **MUTW FUEL JETTY (LEBANON – CLIENT : MUTW / DGLMT)**
 - Conceptual design of fuel jetty (L=660m) / 2 berths @ -10,00m and 2 berths @ -20,00m for 4 fuel / oil carriers at Dora. (2018)



MUTW AT DORA



SEATEC SARL

We understand the language of Waves

THE END

LEBANON

BYBLOS, DOWN TOWN, 31 ERNEST RENAN ST, BEAYNI CENTER, 1ST FLOOR

PH : 00961 9 55 00 22

FAX : 00961 9 55 00 44

MOB : 00961 3 29 10 30

WEB : WWW.SEATEC-SARL.COM

EMAIL : SEATEC@SEATEC-SARL.COM

