



COMPANY PROFILE 2025



The sea _____ our responsibility

MOORING STRUCTURES

www.seatec-sarl.com

Copyright © 2025 SEATEC sarl. All rights reserved

-
- I. [About us](#)
 - II. [Company History](#)
 - III. [Projects Location](#)
 - IV. [Get in Touch with Us](#)
 - V. [Company Vision](#)
 - VI. [Capacity of the Company](#)
 - VII. [Our Projects](#)
 - 1. [Container Terminals](#)
 - 2. [General Cargo Terminals](#)
 - 3. [Cruise Terminals](#)
 - 4. [Oil & gas Terminals](#)
 - 5. [Industrial Ports](#)
 - 6. [Grain terminals](#)
 - 7. [Marinas](#)
 - 8. [Fishing Ports](#)
 - 9. [Naval Bases](#)
 - 10. [Service Ports](#)
 - 11. [Waterfronts](#)
 - 12. [Coastal Protections](#)
 - 13. [Beaches](#)
 - 14. [Mooring structures](#)
 - 15. [Dredging](#)
 - 16. [Lift structures](#)
 - 17. [Sealines](#)
 - 18. [Environmental Studies](#)
 - VIII. [Our Clients](#)

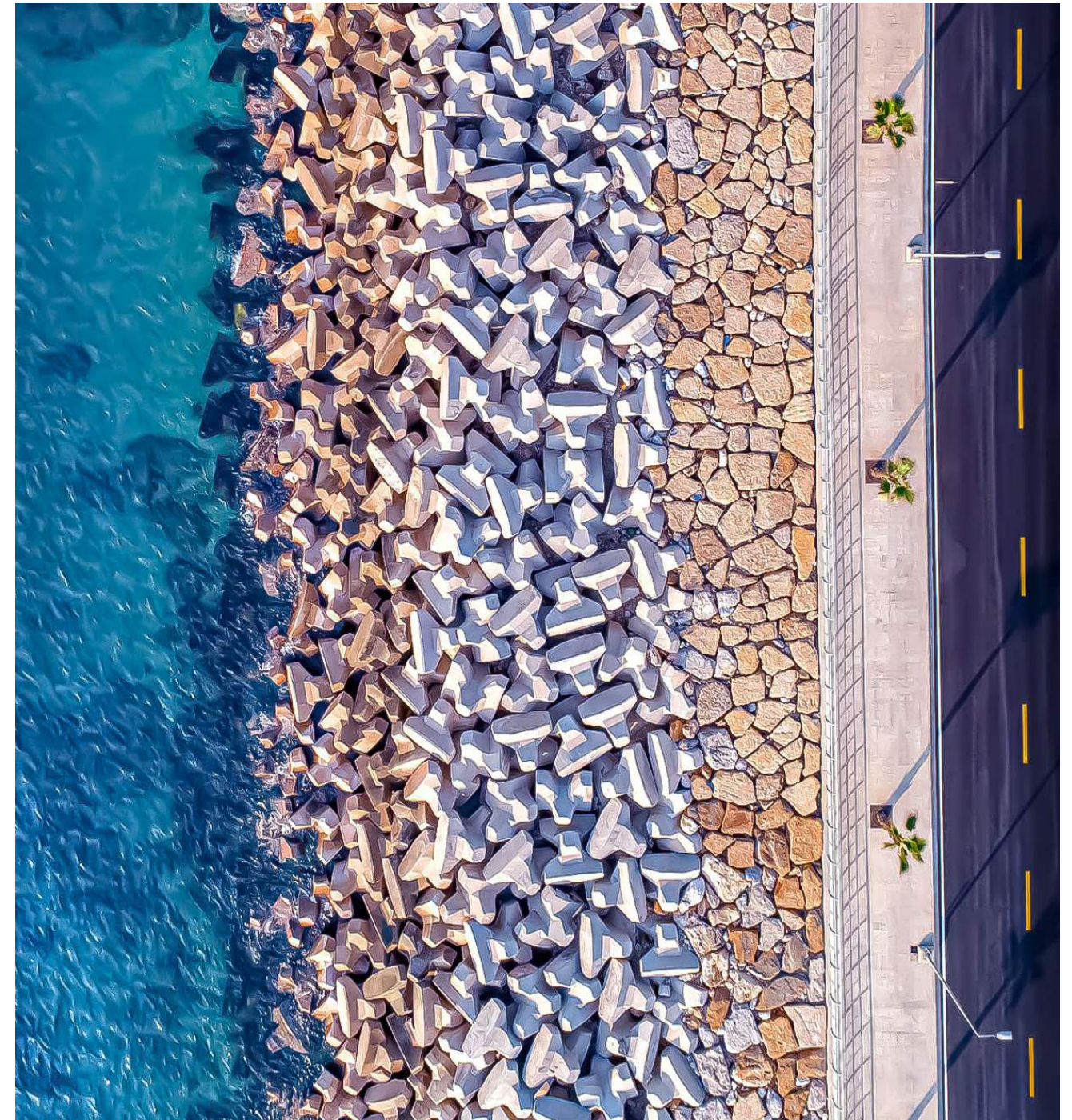
Press on Links to navigate to page

SEATEC

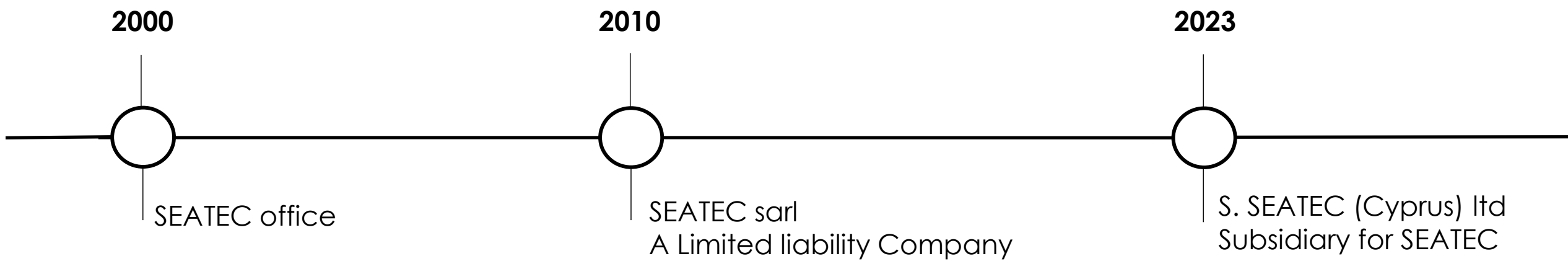
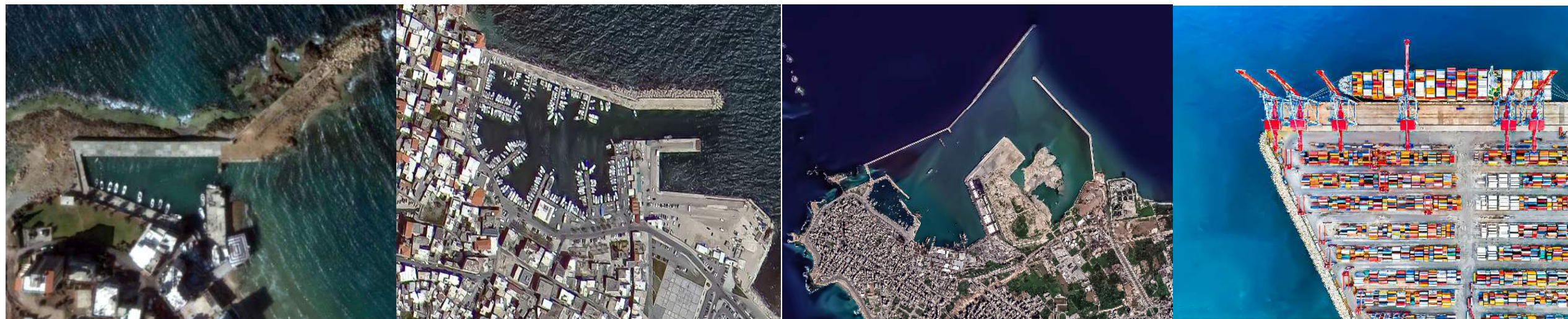
provides its clients with design and supervision services in coastal and port engineering, covering surveying, site investigation, master planning, numerical modeling, tender and detailed design, feasibility and EIA studies, permitting, construction planning, management and supervision.

Serving public as well as private sectors since 2000, SEATEC sarl is dedicated to give its clients the best engineering assistance.

SEATEC sarl operates in the EU territory through its subsidiary in Cyprus, S. SEATEC (Cyprus) Ltd.



COMPANY HISTORY



PROJECTS LOCATION



Countries ●	
Middle East	AFRICA
Lebanon	Egypt
Jordan	Libya
Syria	Tunis
GULF	Algeria
UAE	Djibouti
KSA	Ivory Coast
Qatar	Cameroon
Oman	Nigeria
ASIA	EUROPE
India	Cyprus

GET IN TOUCH WITH US

5

HEAD OFFICE

SEATEC sarl

Beaini Center, 1st floor, Down Town,
31 Ernest Renan St.,
PC 4504 Byblos, LEBANON

Ph : +961 9 55 00 22
Fax : +961 9 55 00 44
Mob : +961 3 29 10 30
Web : www.seatec-sarl.com
E-mail : seatec@seatec-sarl.com

SUBSIDIARY OFFICE

S. SEATEC (CYPRUS) Ltd

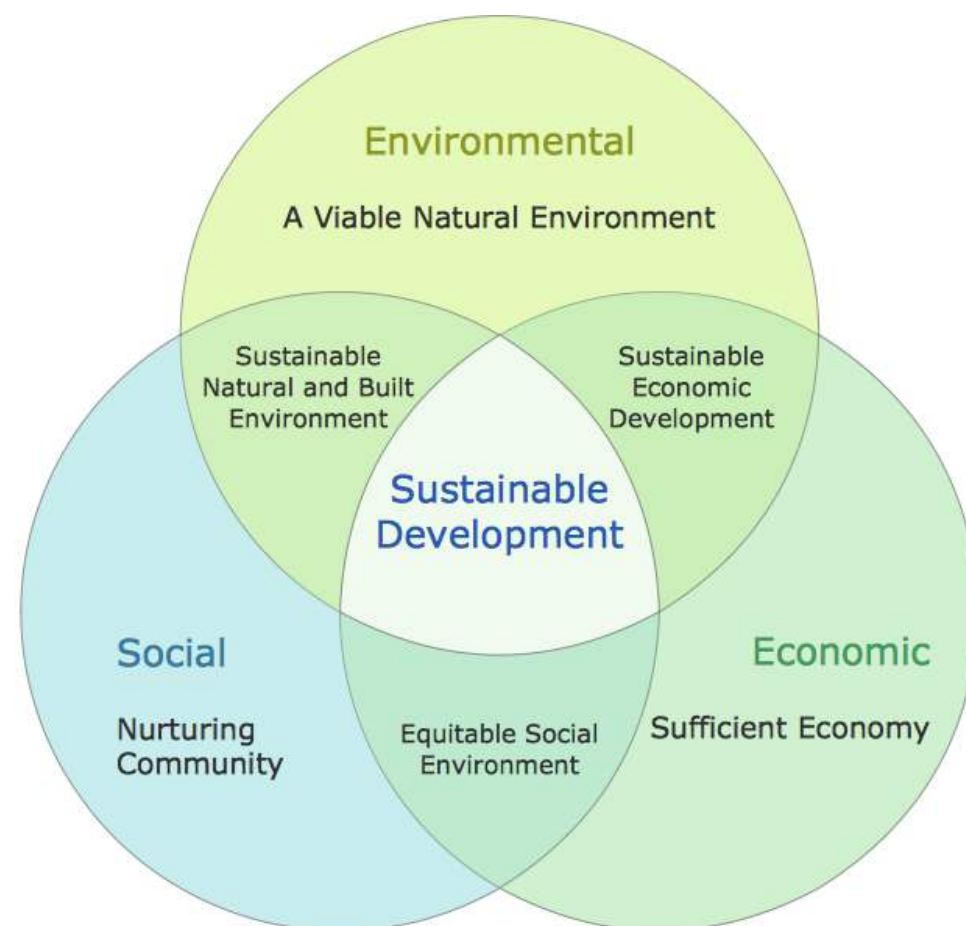
Michail Olympiou, 26 Dali,
2540 Nicosia, CYPRUS



VISION 01

SUSTAINABLE ENGINEERING SOLUTIONS

"Leading the way in creating sustainable and resilient engineering solutions that harmonize with nature and withstand the test of time"



VISION 02

ECO-FRIENDLY AND GREEN PRACTICES

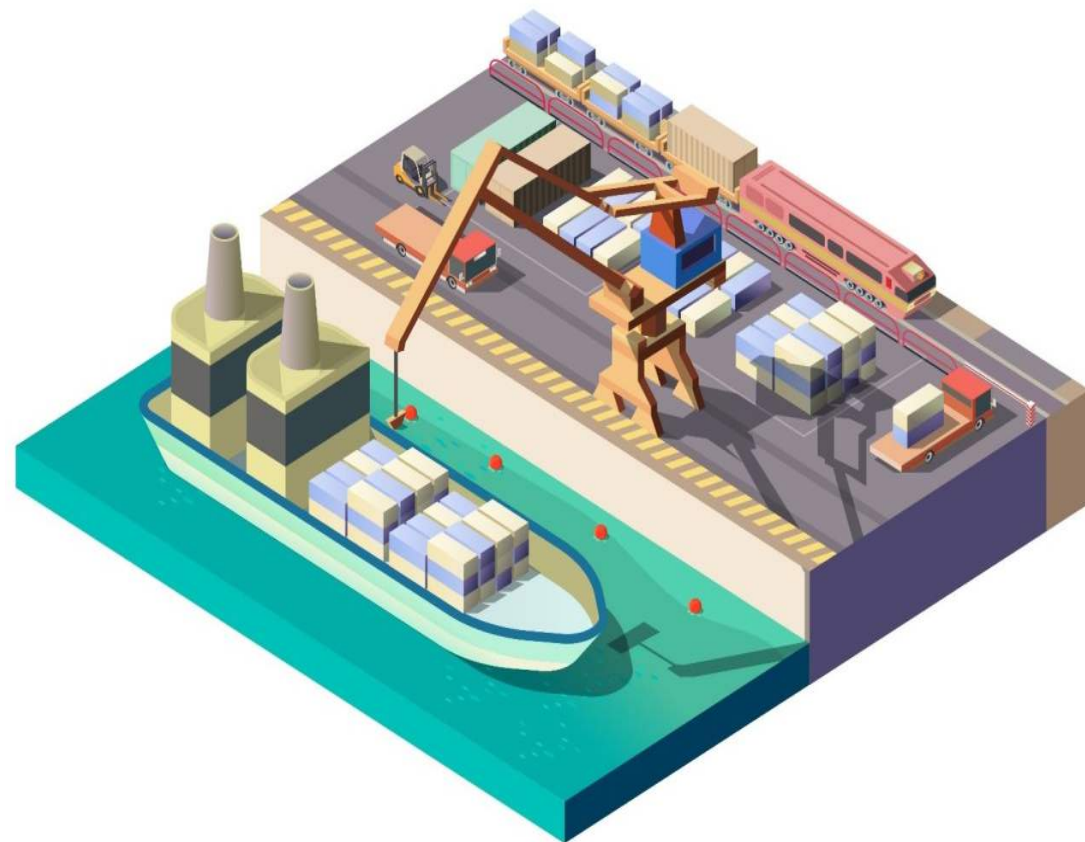
"Pioneering eco-friendly and green solutions that preserve coastlines and promote a sustainable future for generations to come"



VISION 03

SMART PORTS

"Transforming ports into smart, efficient, and interconnected hubs that drive global trade and economic growth".



VISION 04

INNOVATIVE COASTAL DEVELOPMENTS

"Fostering innovative coastal developments that boost local economies and enhance the quality of life for coastal communities".



INTRO

SERVICES

SEATEC sarl (www.seatec-sarl.com) is a multi-disciplinary engineering company, operating since 2000, mainly specialized in the design and supervision of coastal and ports projects, covering :

- Ports: commercial, cruise, marinas, fishing, industrial, naval bases...
- Specialized Terminals: Containers, general cargo, bulk, Agri bulk, oil and gas...
- Urban Waterfronts developments
- Coastal protections
- Dredging and reclamation works
- Beaches (protection and artificial nourishment)
- Offshore pipelines (outfalls, intake pipes...)
- Mooring structures, ship lifts
- Marine infra (Breakwaters, quay walls, platforms, slipways...)



CAPACITY OF THE COMPANY

9

SERVICES

SEATEC offers a range of services through an experienced team in coastal and port engineering field :

- Site selection and evaluation
- Topographic and bathymetric survey
- Underwater inspection
- Rehabilitation of existing infrastructure
- Development of new infrastructure and facilities
- Master planning (future development) and phasing
- 3D presentations (views and videos)
- Feasibility studies
- Design optimization
- Design review /value engineering
- Preliminary and detailed design
- Execution drawings
- Numerical modelling
- Environmental Impact Assessment (EIA) studies
- Permitting and consents from relevant public authorities
- Tender documents
- Assistance to clients in selection of contractors



SERVICES

- Supervision services, management and supervision of construction sites in accordance with health and safety guidelines, through an experienced team of site engineers, supervisors, surveyors and divers
- Supervising contractors, subcontractors and work activities
- Compliance of executed works with the relevant building regulations, quality standards
- Construction permit and with the specified technical documentation and guidelines
- Issuing of information and instructions on behalf of the client
- Validate of contractor's payments
- Hazards and risks assessment and Prevention of construction errors
- Carrying out regular inspections and raising safety concerns at the appropriate level
- Keeping construction on schedule, construction errors
- Completing records for site reports
- Resolving problems and implementing improvements
- Works handing over certificate



OUR TEAM

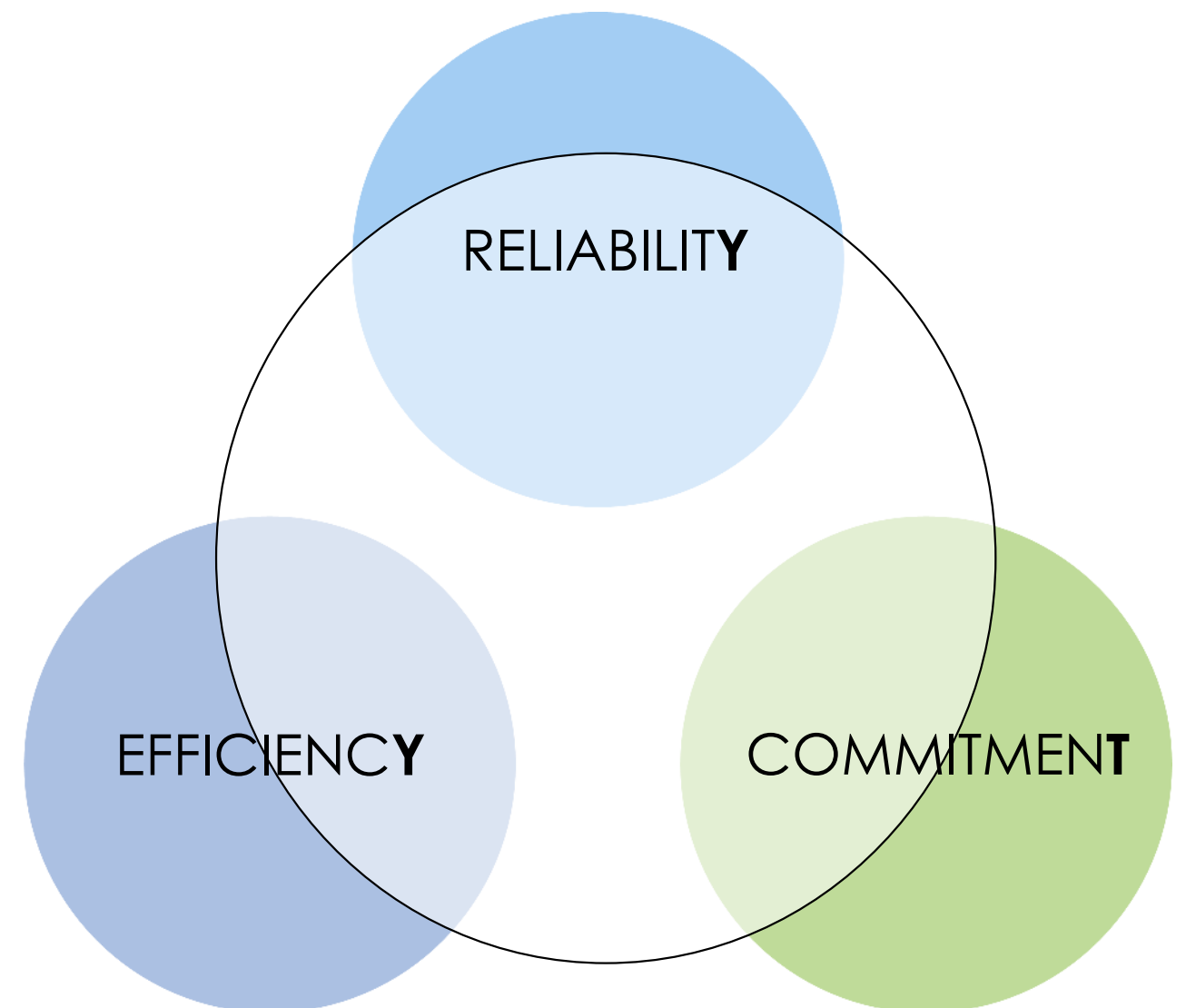
SEATEC have an experienced Team for in house design, covering all coastal and ports engineering aspects, geotechnical analysis, numerical modeling, works supervision..., keeping an excellent cooperation with leading European maritime and hydraulic laboratories for 2D/3D physical modeling.

A strong team spirit with the Client will be essential, working as part of a single entity rather than as competent individuals.

The team of experts is mostly composed of people involved in our recent projects, carefully selected for their:

- Experience in the field of expertise
- Efficiency
- Experience in working with each other
- Ability to advise both public and private Clients

Moreover, SEATEC can mobilize on short notice its technical resources when and where such expertise is needed.



OUR NUMBERS



SINCE
2000



COUNTRIES
+16



CLIENTS
+50



PROJECTS
+450

MOORING STRUCTURES



TERMINAL 829

14

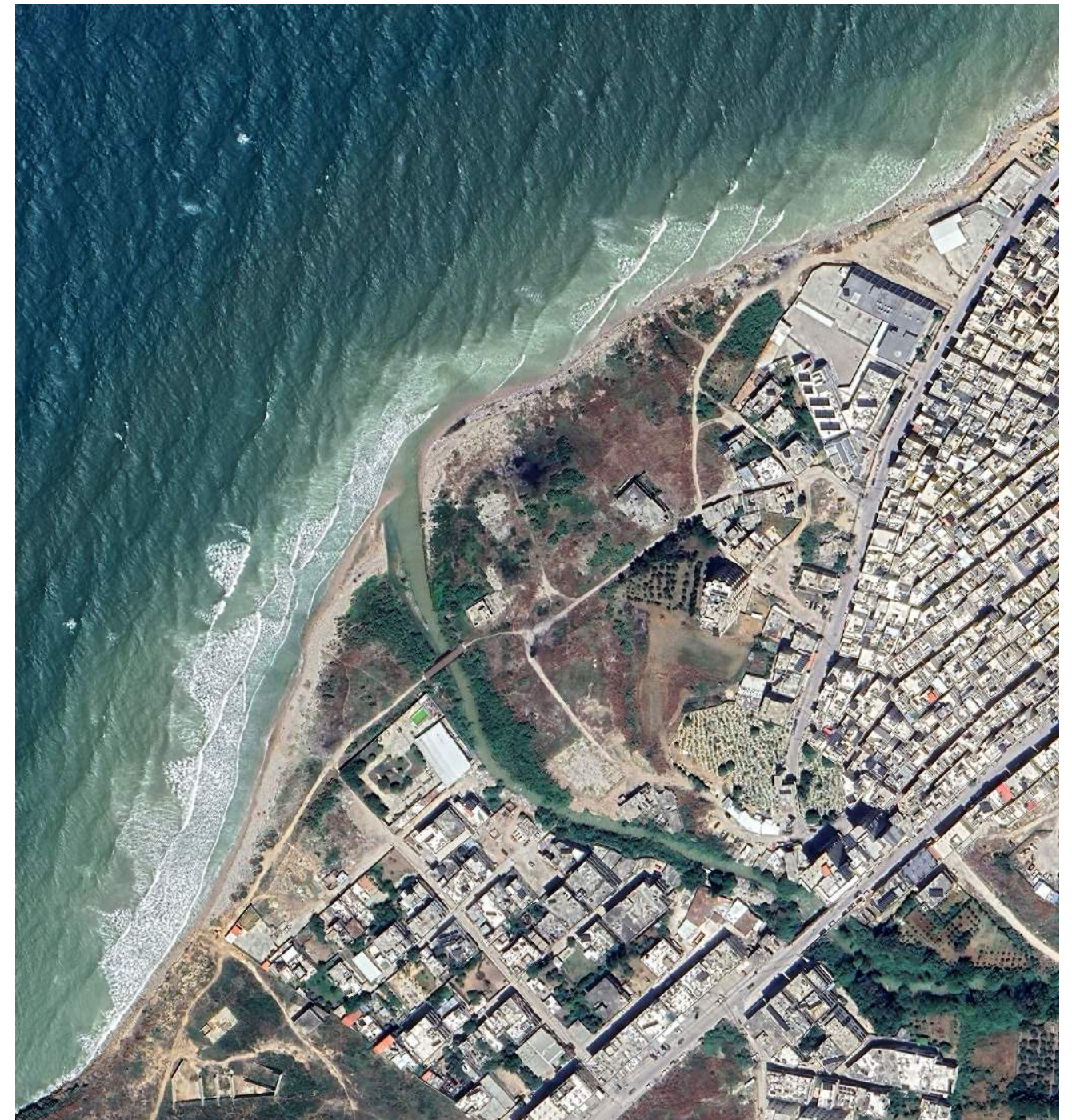
Client Owners Plot 829
Location LEBANON – Zouk Bhannine
34°30'40" N
35°57'14" E
Consultant SEATEC sarl

Terminal 829

Year 2025
Design / Surveying / Permitting

- Master Plan
- Offshore pipelines (L=750m) for fuel/oil products
- Tanks for fuel/oil/gas storage
- Buildings / workshop / lab buildings in the private plot
- Offshore berth (CBM) for tankers
- Reclaimed land with rocky protection (L=220m)
- Underground passage
- Bathymetric survey (510,000m2)
- Decree for the Public maritime domain occupancy (Pipelines, tanker berth, platform...)
- Drawings / BoQ / Permitting

Ports / Oil & Gas Terminals / Sealines / Offshore Pipelines / **Mooring Structures** / **CBM** / Coastal Protections / Revetments / Surveying / Permitting



IPT TERMINAL DECREE

15

Client IPT (Issa Petroleum trade)

Location LEBANON – Amchit
34°08'27" N
35°37'44" E

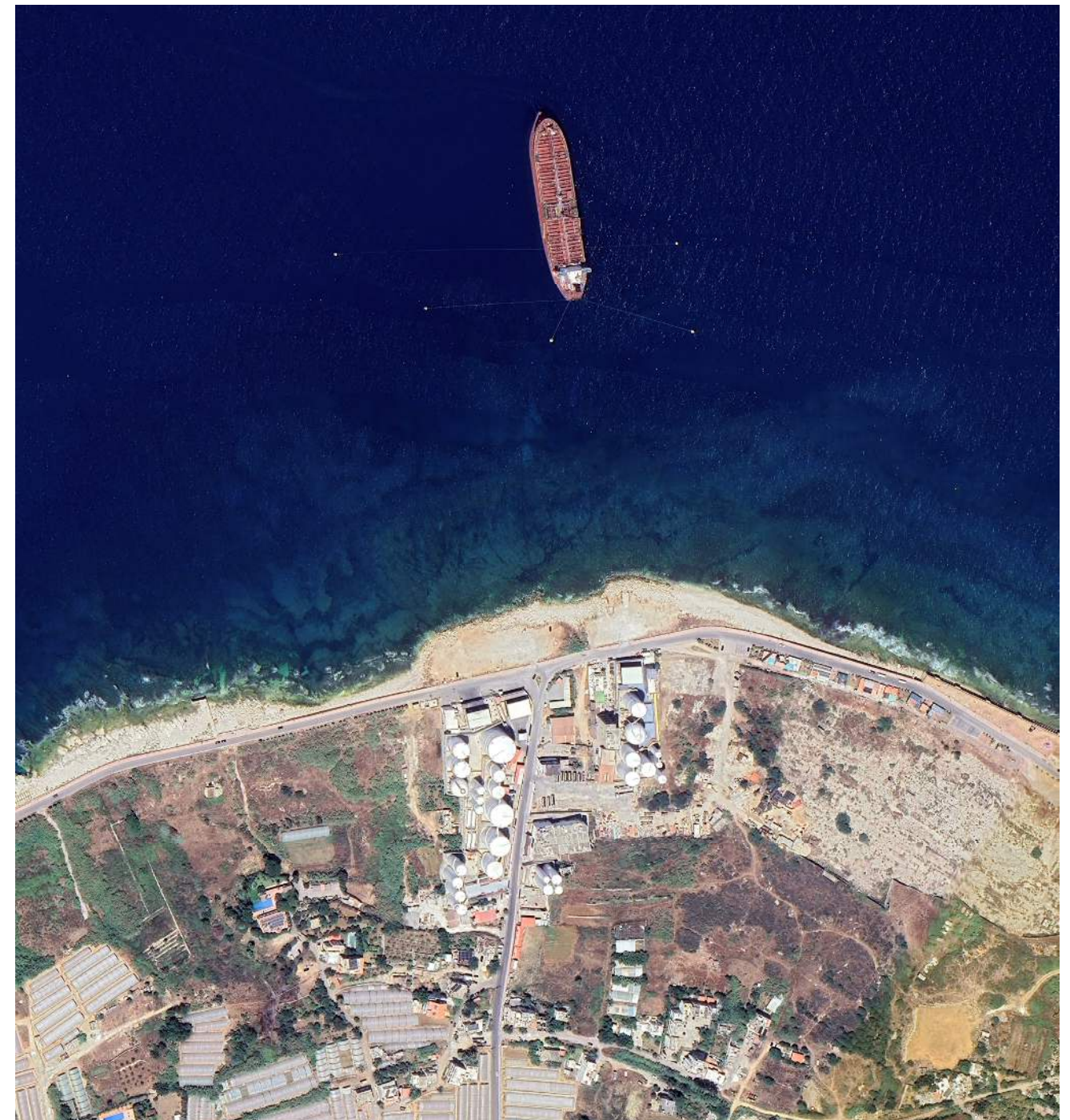
Consultant SEATEC sarl

IPT Terminal Decree

Year 2024
Surveying / Permitting

- Decree for the Public maritime domain occupancy (Sealines, tanker berth, platform...)
- Topographic survey
- Drawings / Permitting

Ports / Oil & Gas Terminals / Sealines / Offshore Pipelines / **Mooring Structures** / **CBM** / Surveying / Permitting



LEBANON ENERGY TERMINAL DECREE

16

Client LEBANON ENERGY srl

Location LEBANON – Amchit
34°08'27" N
35°37'44" E

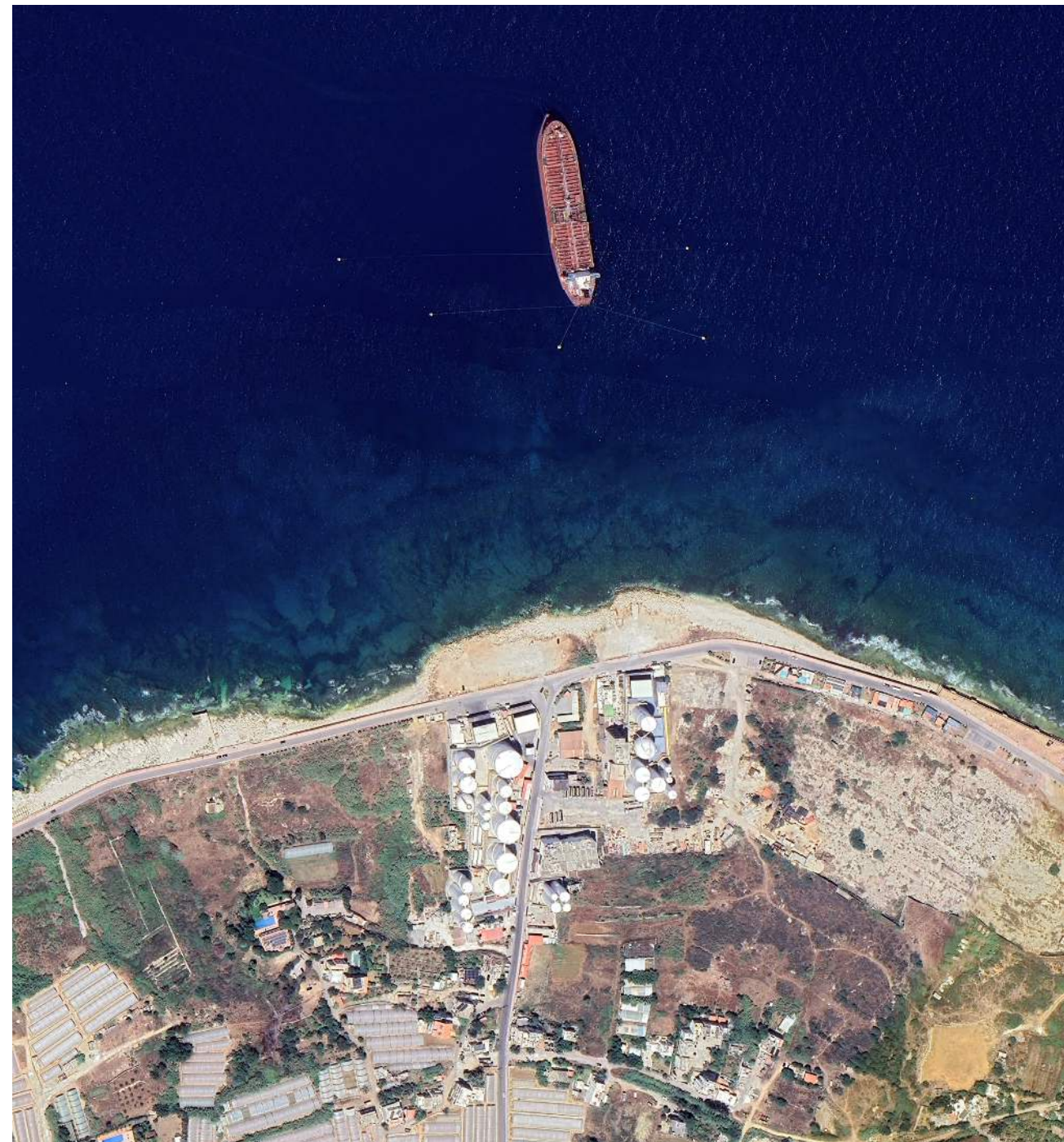
Consultant SEATEC srl

LEBANON ENERGY Terminal Decree

Year 2024
Surveying / Permitting

- Decree for the Public maritime domain occupancy (Sealines, tanker berth, platform...)
- Topographic survey
- Drawings / Permitting

Ports / Oil & Gas Terminals / Sealines / Offshore Pipelines / **Mooring Structures** / **CBM** / Surveying / Permitting



IPT TERMINAL CBM

Client LEBANESE REPUBLIC
Ministry of Public Works and Transport
Directorate General of Land and Maritime Transport

IPT (Issa Petroleum trade)

Location LEBANON – Amchit
34°08'27" N
35°37'44" E

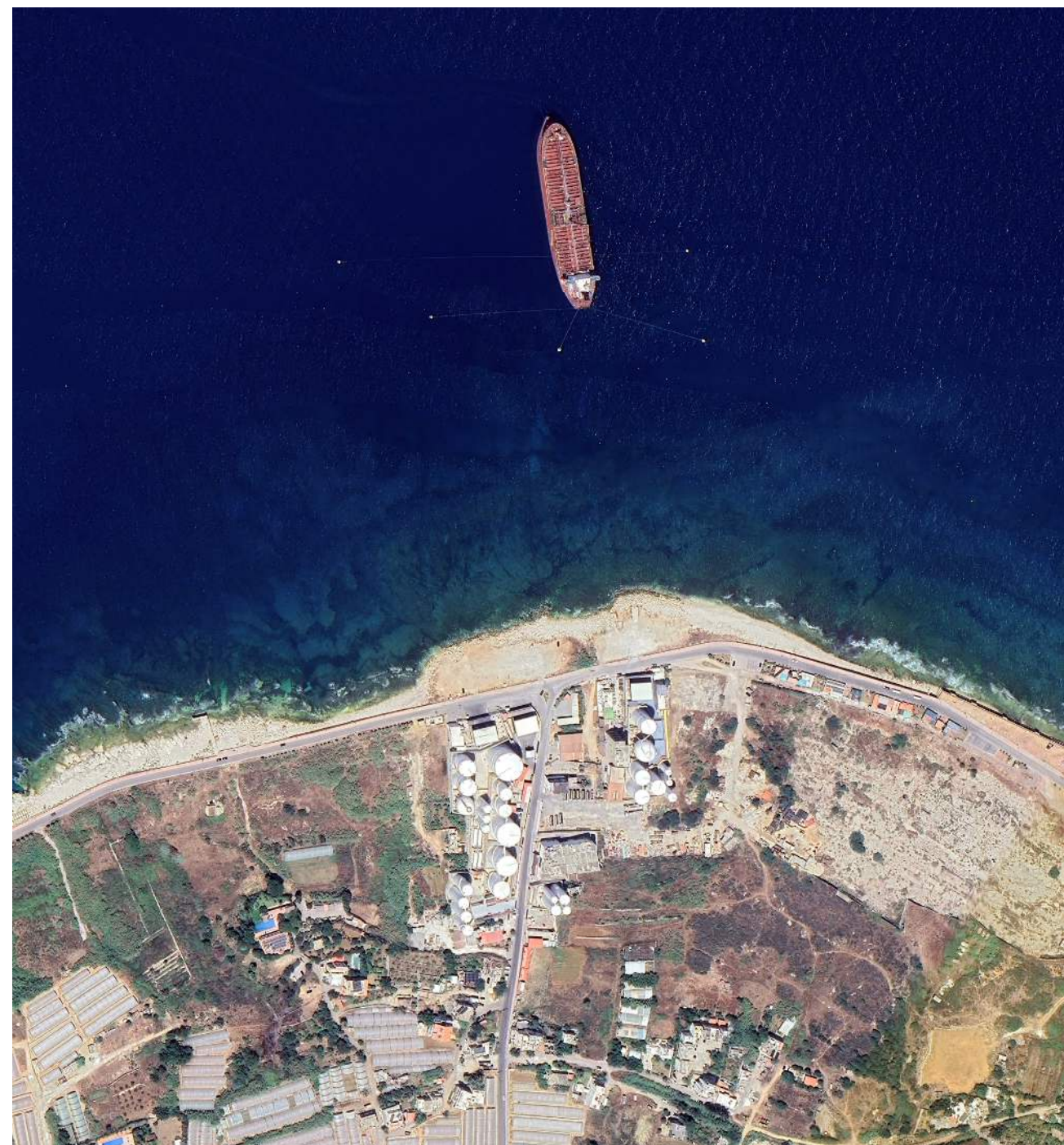
Consultant SEATEC sarl

IPT Terminal CBM

Year 2022
Design

- Assessment of IPT Terminal CBM safety and feasibility for tankers maneuvering and mooring operations, regarding existing depth
- Drawings / Reporting

Ports / Oil & Gas Terminals / Seelines / Offshore Pipelines / **Mooring Structures / CBM**



MAINTENANCE PLATFORM AT THE PORT OF TRIPOLI (1/2)

18

Client LEBANESE REPUBLIC
Ministry of Public Works and Transport
Port of Tripoli Authority (PoTA)

Location LEBANON – Tripoli
34°27'36" N
35°49'06" E

Consultant SEATEC sarl

Maintenance platform at the Port of Tripoli (PoT)

Year 2022 – 2023

Conceptual design

- Platform on piles (18,000m²)
- Quaywall (L=400m @ -10.50m MSL)
- Dredging works @ -10.50m for maneuvering area
- Drawings / BoQ

Year 2024

Design

- Reclaimed area of platform (4,800m²) for temporary maintenance of ships along the main breakwater
- Quaywalls (Gravity wall type) and 2 landing platforms (each L=30m @ -10.00m MSL)
- Slabs on Grade and bituminous coating

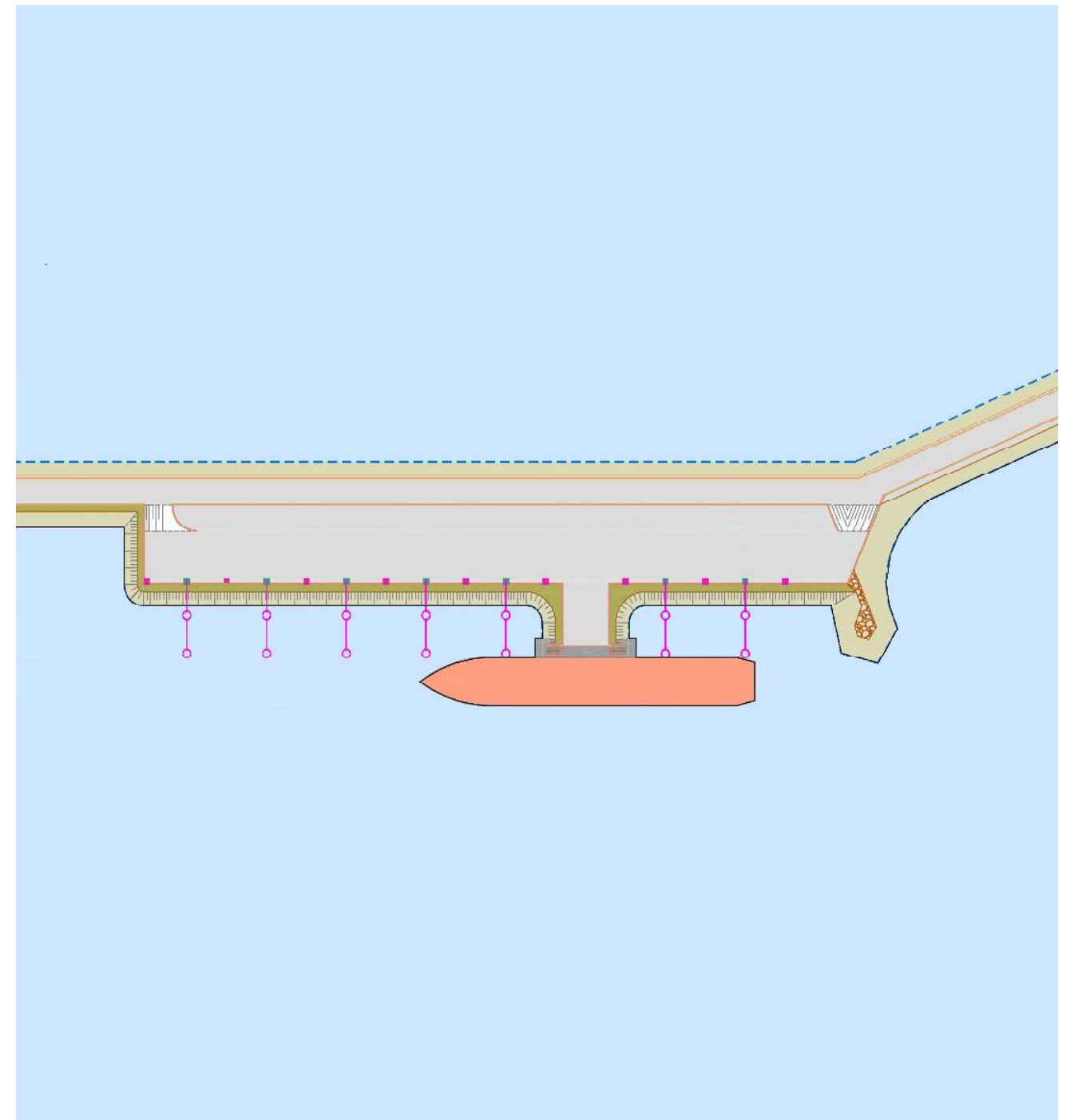
Ports / Service Ports / **Mooring Structures** / **Dolphins** / Dredging



Maintenance platform at the Port of Tripoli (PoT)

Year 2024

- Fence (L~200m)
- 7 mooring piles
- 7 breasting piles
- Berthing accessories (Bollards, fenders...)
- Dredging works @ -10.00m for maneuvering area
- Tender Documents / Drawings / BoQ / Feasibility study



Ports / Service Ports / **Mooring Structures** / **Dolphins** / Dredging

LIQUIGAS TERMINAL CBM

20

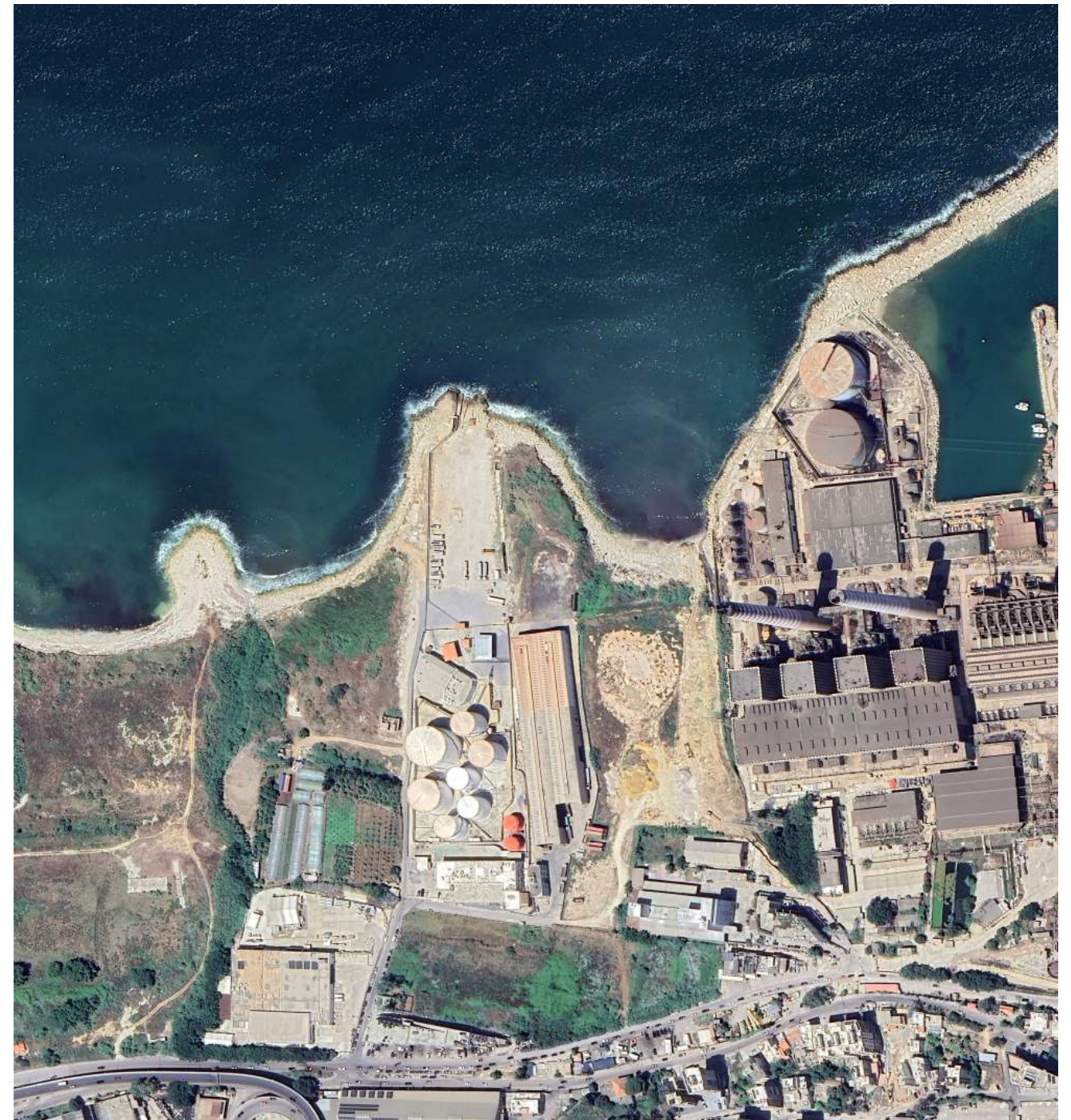
Client LIQUIGAS srl
Location LEBANON – Zouk
33°58'03" N
35°36'01" E
Consultant SEATEC srl

LIQUIGAS Terminal CBM

Year 2022
Design

- Assessment of Liquigas Terminal CBM safety and feasibility for tankers maneuvering and mooring operations, regarding existing depth
- Dredging works
- Drawings / Reporting

Ports / Oil & Gas Terminals / Seelines / Offshore Pipelines / **Mooring Structures / CBM** / Dredging



FTZ / JETTY AT AKWA IBOM (1/2)

21

Client CONE ltd
NDM Consultancy

Location NIGERIA - Akwa Ibom
4°30'14" N
7°35'11" E

Consultant SEATEC sarl

FTZ / Jetty at Akwa Ibom

Year 2021
Conceptual Design

The Free Trade Zone (FTZ) is situated in the south-western part of Akwa Ibom State and extends across Ikot Abasi, Eastern Obolo, Mkpai Enin, Ibeno, Onna and Oruk Anam Local Government Areas, covering an area of 500Km².

The site will be developed into a world class Mega Industrial City, with a Free Trade Zone which will consist of a multipurpose jetty for shipment of general goods, Agri bulk cargoes, ferry services, ro-ro services, oil and gas logistics and coastal supply of petroleum products.

Ports / Coastal Protections / Revetments / **Mooring structures** / **Dolphins** / Dredging / General Cargo Terminals / Industrial Ports / Oil & Gas Terminals / Container Terminals / Service Ports



FTZ / Jetty at Akwa Ibom

Conceptual Design

1. Assessment of existing studies and design report

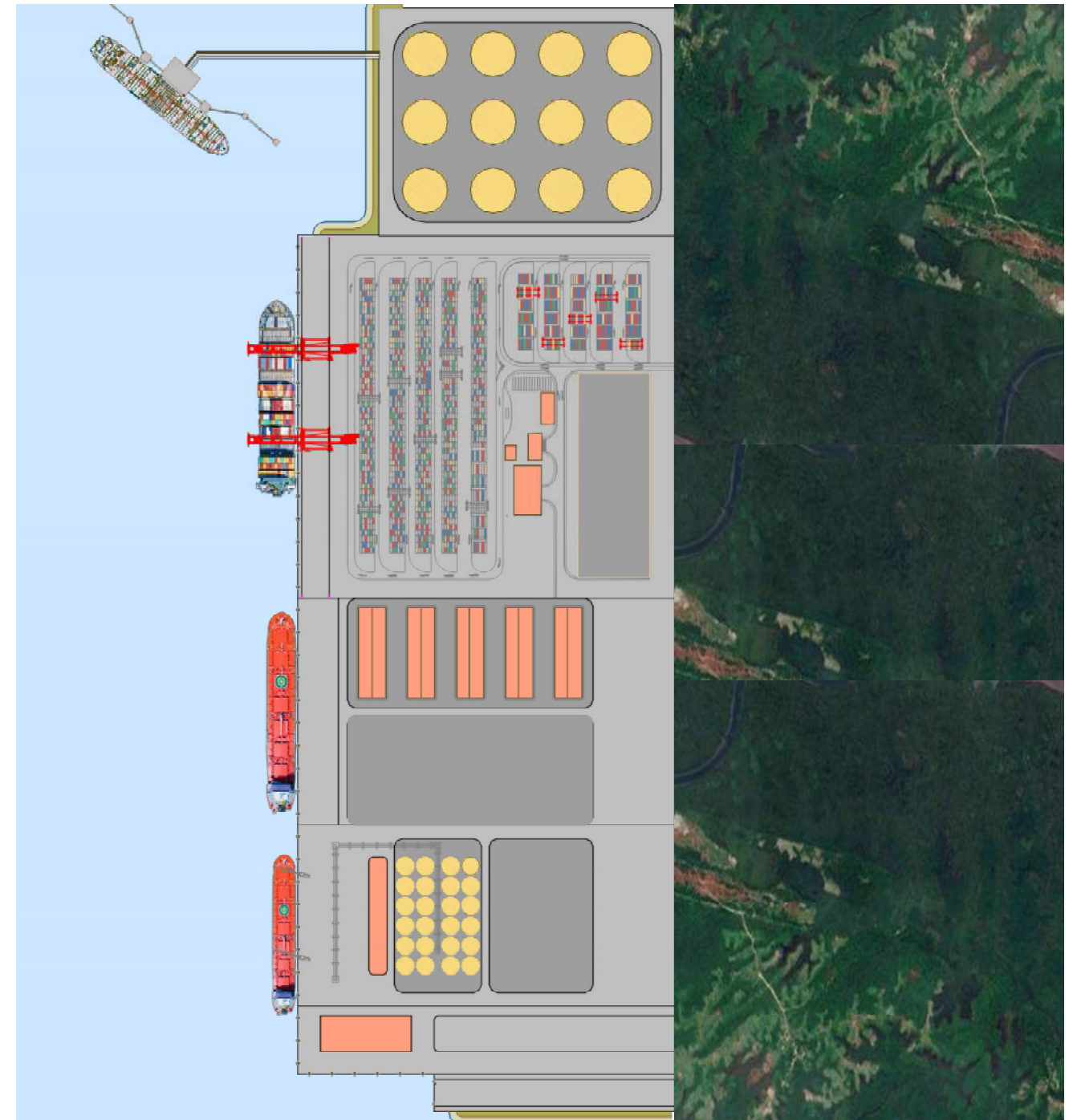
1. New conceptual layout / master plan of the FTZ:

- Petroleum and Energy District
- Industrial District
- Commercial District
- Central Business District
- Residential District
- Recreational and Eco-tourism District
- Agro-allied District

3. FTZ multipurpose jetty:

- Oil and Gas Terminal (81,000m² tank farm / Unloading Fuel Jetty L~250m @-12.00m)
- Container Terminal (166,000m² / Quaywall L~400m @-12.00m)
- General Cargo Terminal (103,000m² / Quaywall L~250m @-12.00m)
- Agri-bulk Terminal (83,000m² / Quaywall L~200m @-12.00m)
- Ferry Terminal (42,000m² / Quaywall L~75m @-8.00m)

Ports / Coastal Protections / Revetments / **Mooring structures** / **Dolphins** / Dredging / General Cargo Terminals / Industrial Ports / Oil & Gas Terminals / Container Terminals / Service Ports



MEDCO TERMINAL - 2

23

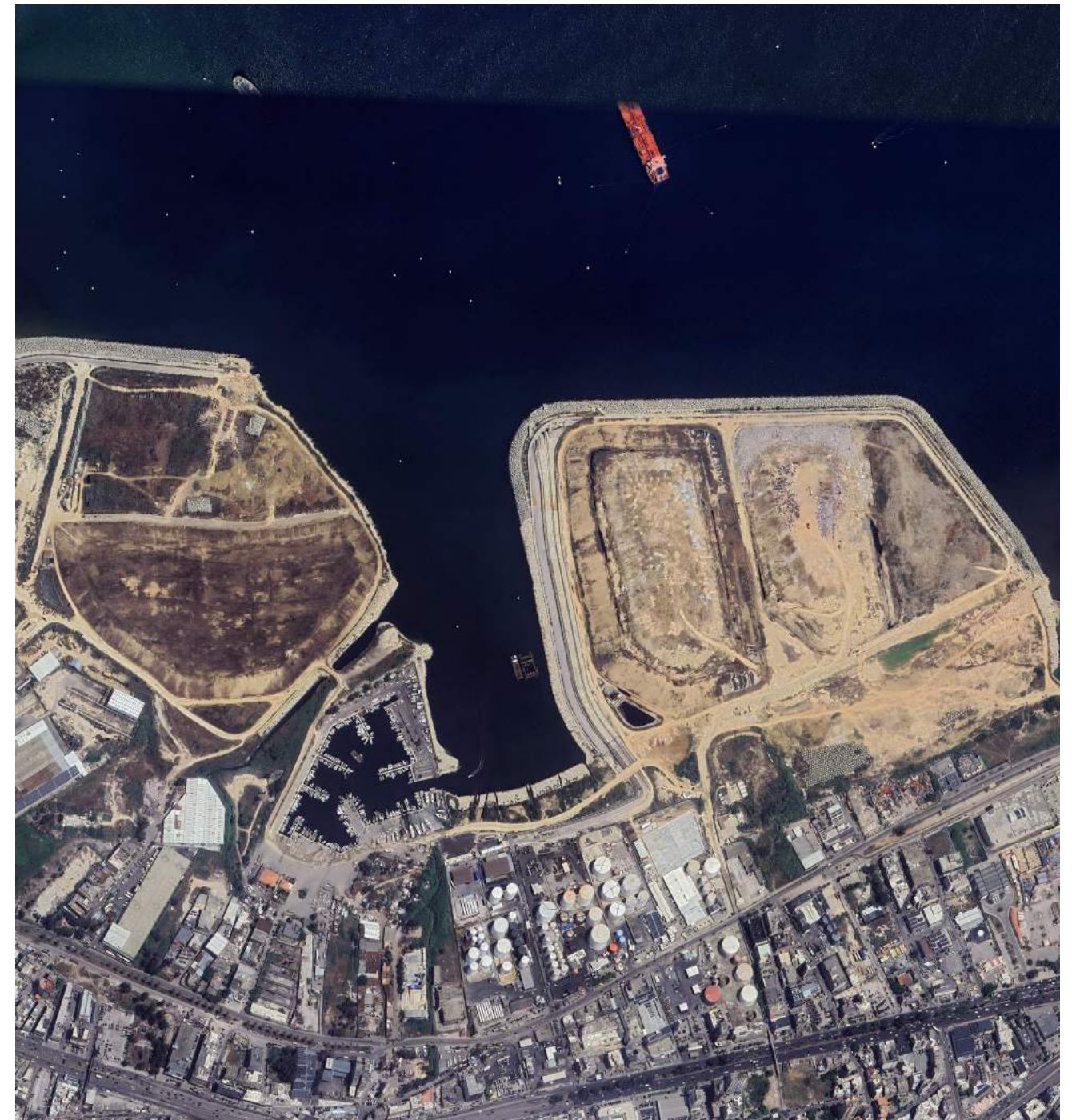
Client MEDCO sal
Location LEBANON – Bauchriyeh
33°53'47" N
35°33'12" E
Consultant SEATEC sarl

MEDCO Terminal - 2

Year 2020
Permitting

- Settlement of Public Maritime Domain Occupancy: Drawings and settlement file submitted to the MPWT / DGLMT according to Law N64 dated 25/10/2017 (Permitting)
- Decree modification for onshore, offshore pipelines and tankers berth relocation in the public maritime domain
- Drawings / Permitting

Ports / Oil & Gas Terminals / Seelines / Offshore Pipelines / **Mooring Structures** / **CBM** / Permitting



WARDIEH TERMINAL - 2

24

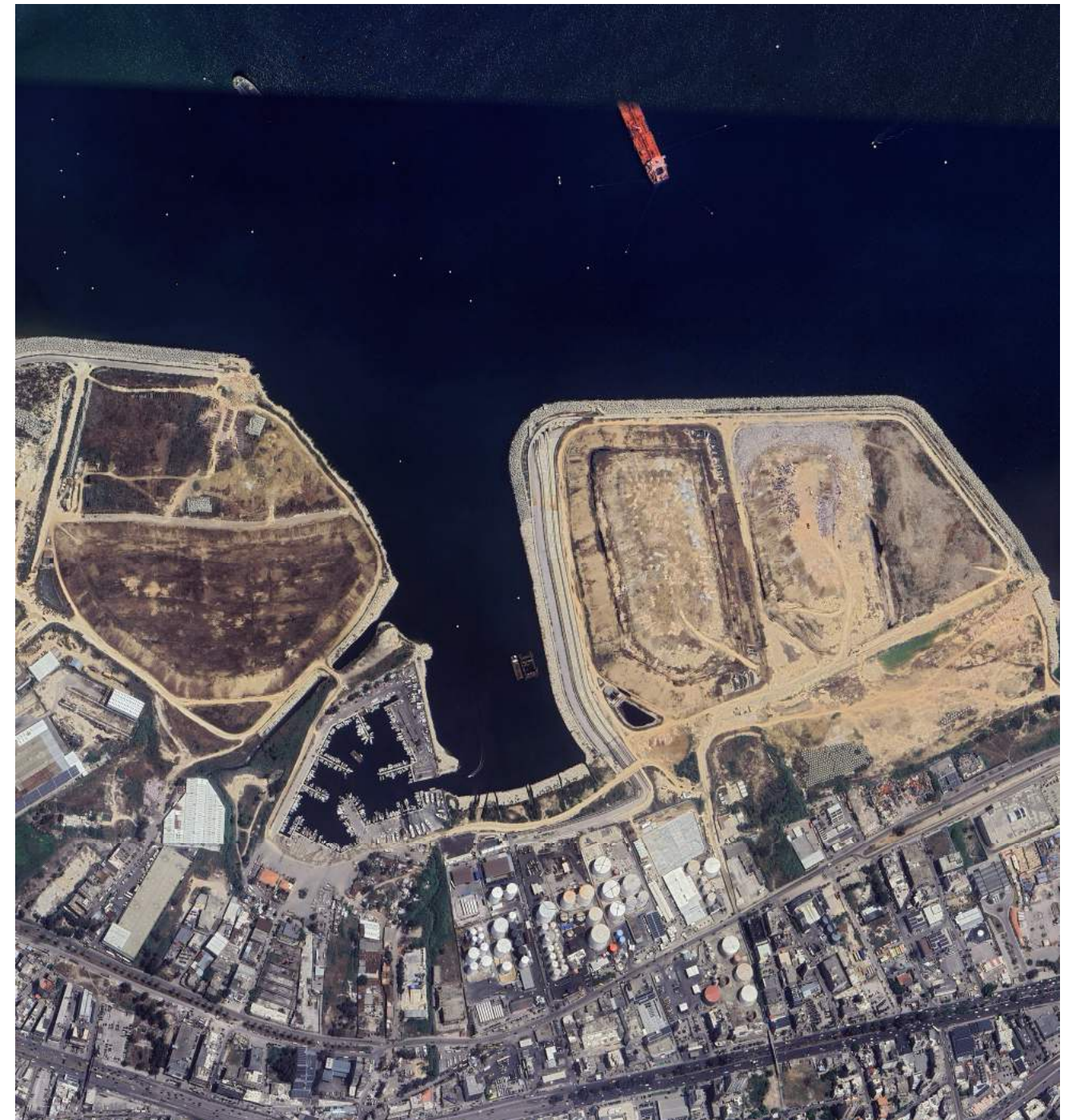
Client Wardieh Holding sal
Location LEBANON – Bauchriyeh
33°53'57" N
35°33'18" E
Consultant SEATEC sarl

WARDIEH Terminal - 2

Year 2019
Permitting

- Decree modification of the Public maritime domain occupancy as per the new location of sealine and berthing CBM
- Drawings / Permitting

Ports / Oil & Gas Terminals / Sealines / Offshore Pipelines / **Mooring Structures** / **CBM** / Permitting



TOTAL LIBAN TERMINAL - 3

25

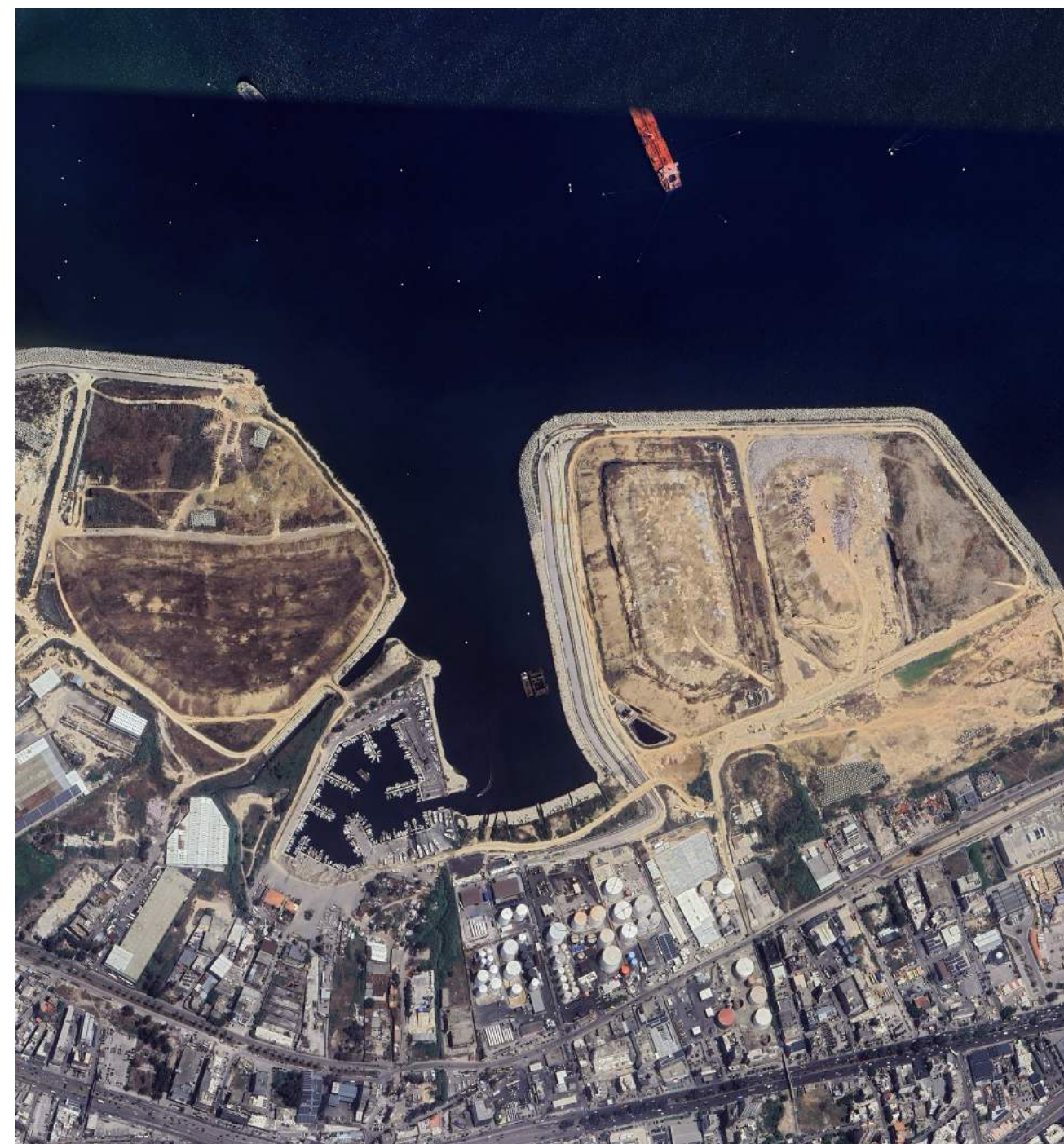
Client TOTAL LIBAN sal
Location LEBANON – Zouk
33°58'03" N
35°36'01" E
Consultant SEATEC sarl

TOTAL LIBAN Terminal - 3

Year 2019
Permitting

- Decree modification of the Public maritime domain occupancy as per the new location of sealine and berthing CBM
- Drawings / Permitting

Ports / Oil & Gas Terminals / Sealines / Offshore Pipelines / **Mooring Structures** / **CBM** / Permitting



UNITERMINALS - 2

26

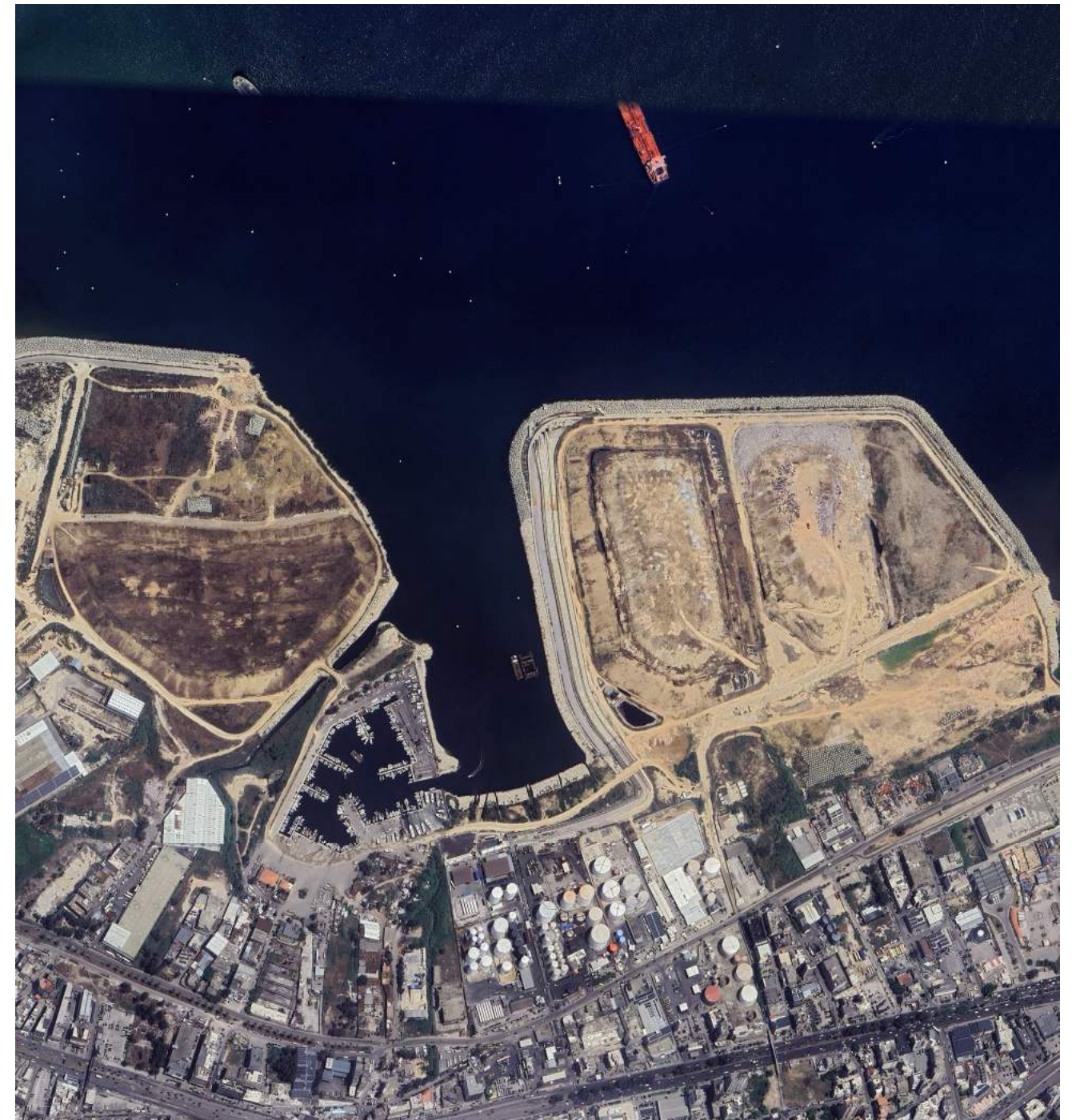
Client UNITERMINALS srl
Location LEBANON – Bauchriyeh
33°53'56" N
35°33'13" E
Consultant SEATEC srl

UNITERMINALS - 2

Year 2019
Permitting

- Decree modification of the Public maritime domain occupancy as per the new location of sealine and berthing CBM
- Drawings / Permitting

Ports / Oil & Gas Terminals / Sealines / Offshore Pipelines / **Mooring Structures** / **CBM** / Permitting



COGICO TERMINAL - 2

27

Client COGICO srl
Location LEBANON – Jieh
33°39'00" N
35°24'35" E
Consultant SEATEC srl

COGICO Terminal - 2

Year 2019
Surveying / Permitting

- Topographic survey for the area occupied in the public maritime domain
- Settlement of Public Maritime Domain Occupancy: Drawings and settlement file submitted to the MPWT / DGLMT according to Law N64 dated 25/10/2017 (Permitting)

Ports / Oil & Gas Terminals / Sealines / Offshore Pipelines / Mooring Structures / CBM / Surveying / Permitting



DORA MUTW JETTY (1/2)

28

Client LEBANESE REPUBLIC
Ministry of Public Works and Transport
Directorate General of Land and Maritime Transport

Location LEBANON - Dora
33°54'21"N
35°33'10"E

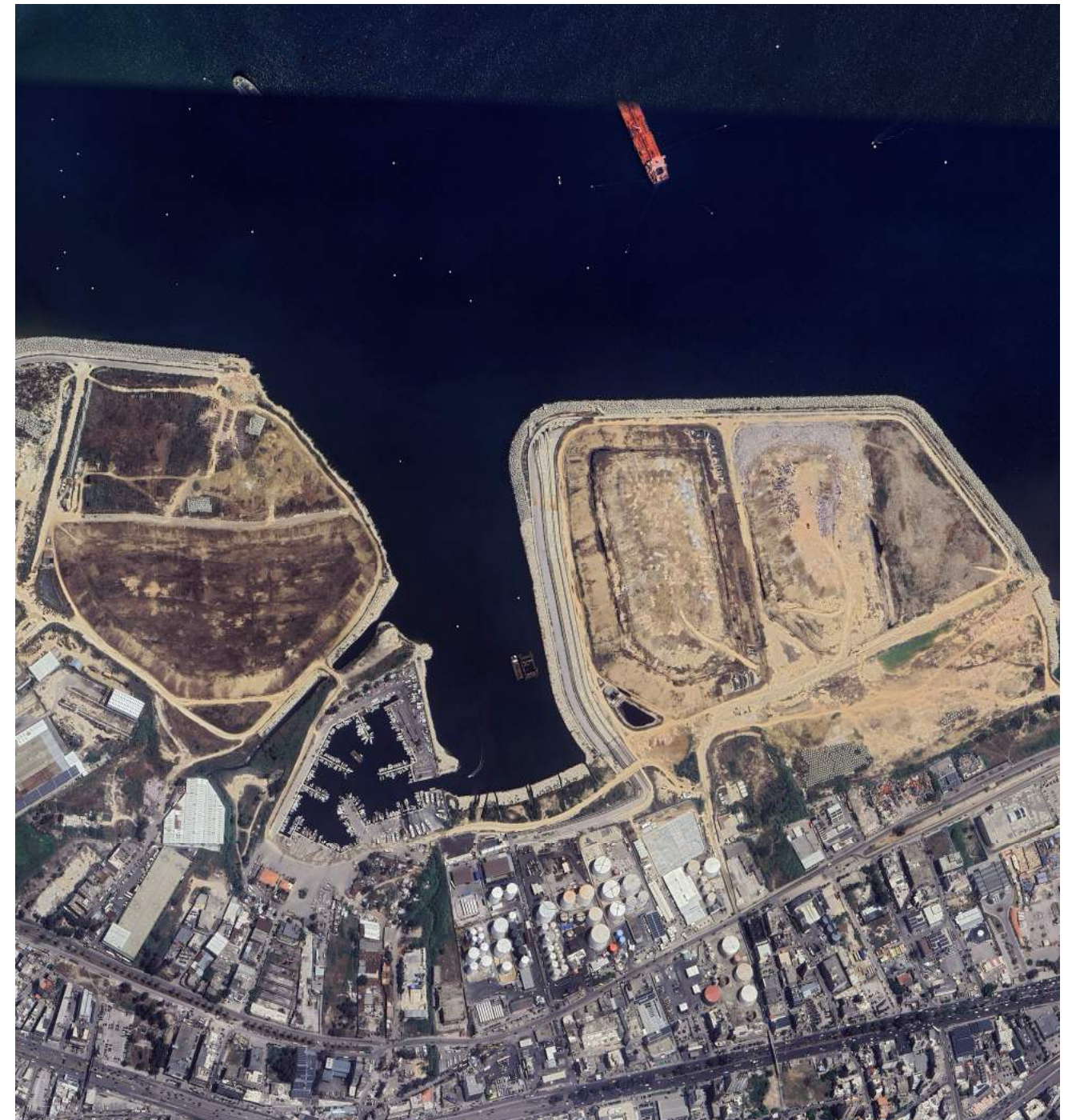
Consultant SEATEC sarl

Dora MUTW Jetty

Year 2018
Conceptual Design / Surveying

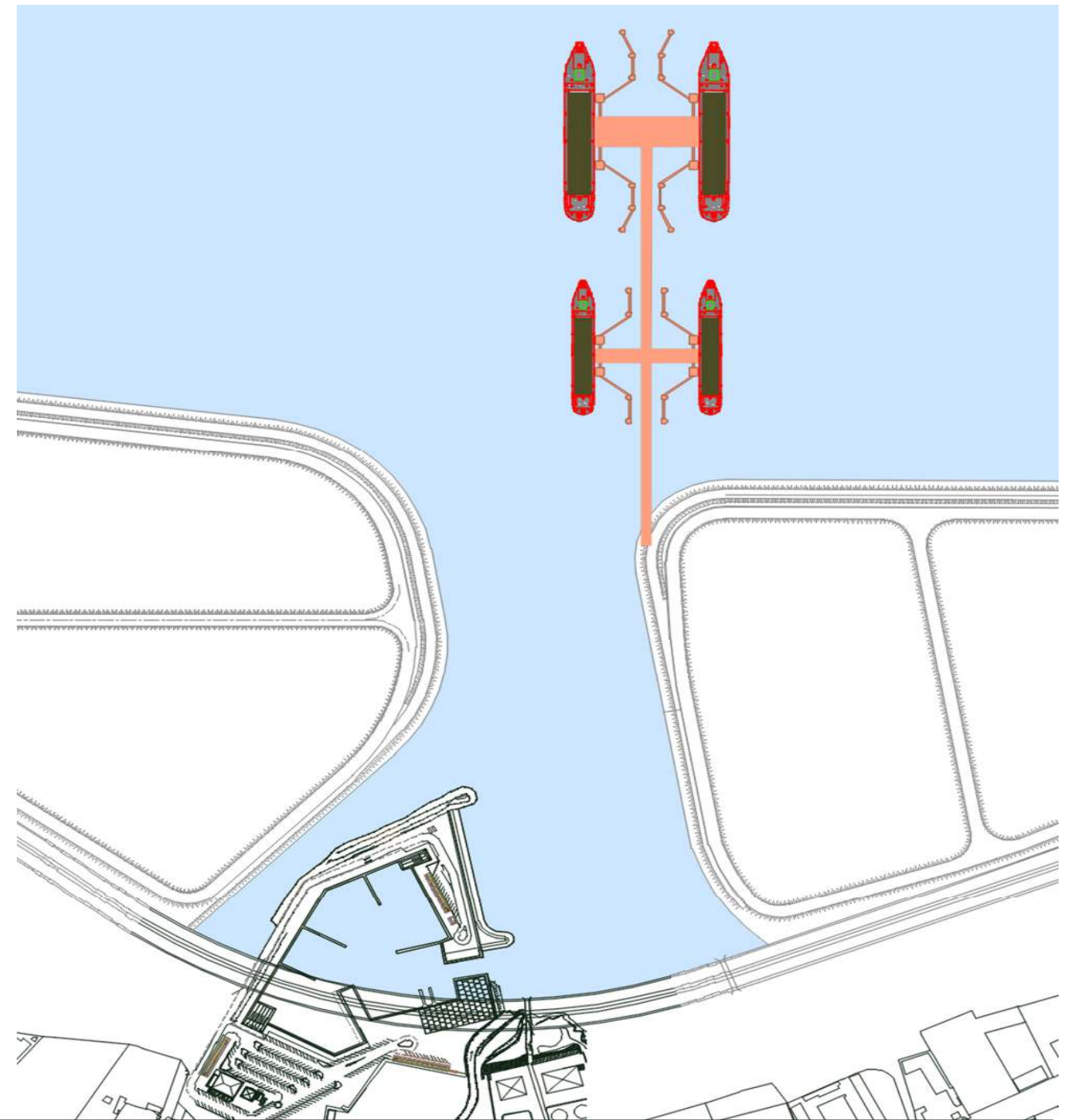
- Jetty for tankers berthing (Metallic structure on piles, L=627m)
- Berths (L=140m @-12.00m MSL, Nbr 2) / Breasting and Mooring dolphins
- Berths (L=226m @-18.00m MSL, Nbr 2) / Breasting and Mooring dolphins
- Offshore platform N1 on piles (4,470m²)
- Offshore platform N2 on piles (1,855m²)
- Onshore pipes (L=525m)

Ports / Oil & Gas Terminals / **Mooring Structures** / **Dolphins** / Sealines / Offshore Pipelines / Surveying



Dora MUTW Jetty

- Reclaimed platform (23,500m²)
- Berthing capacity (4 tankers)
- Topographic survey (shoreline)
- Bathymetric survey (2,692,000m²)
- Drawings



Ports / Oil & Gas Terminals / **Mooring Structures** / **Dolphins** / Sealines / Offshore Pipelines / Surveying

UNIVERSAL GAS TERMINAL - 2

30

Client UNIVERSAL GAS srl

Location LEBANON – Amchit
34°08'30" N
35°37'44" E

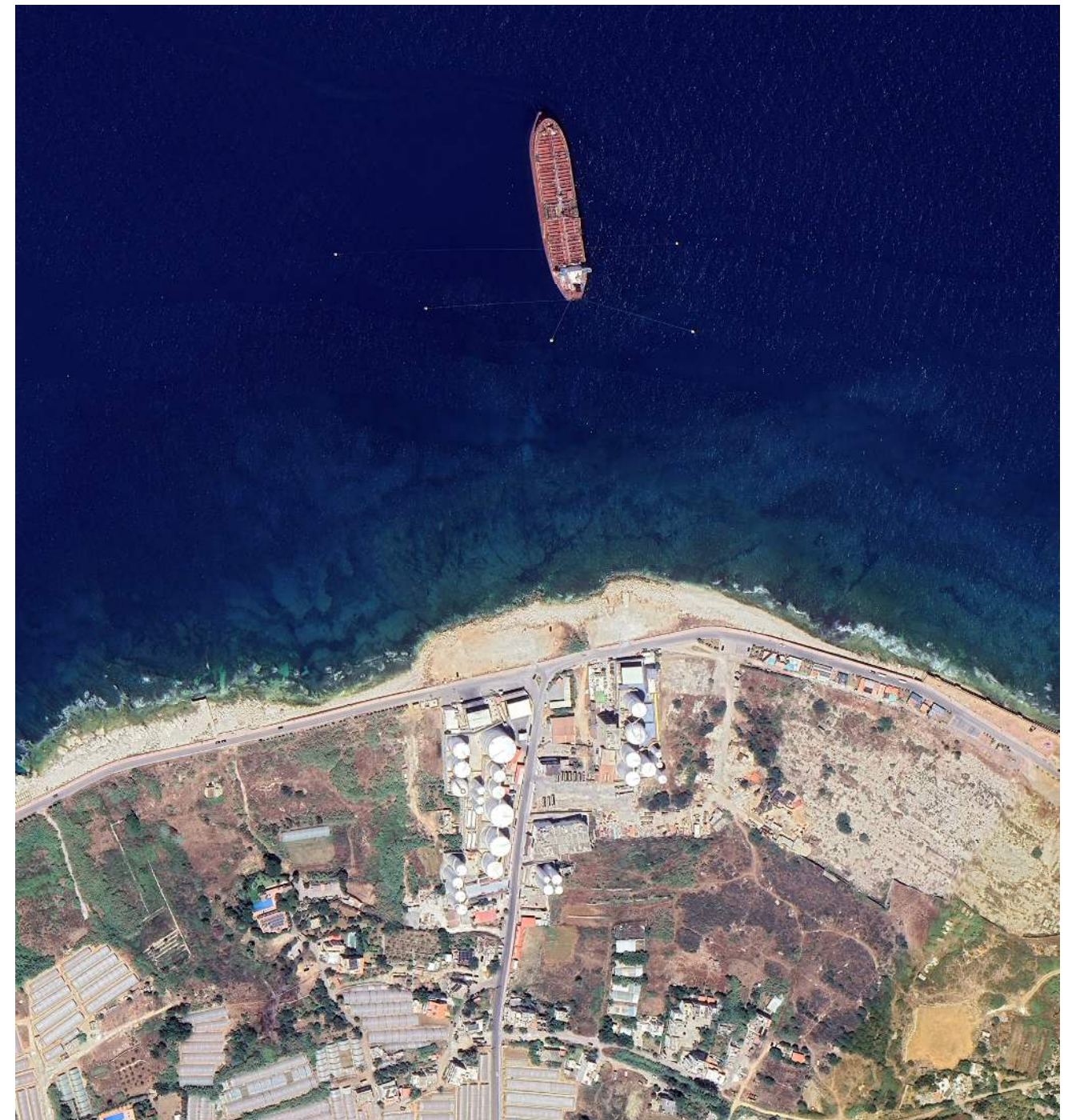
Consultant SEATEC srl

Universal Gas Terminal - 2

Year 2018
Surveying / Permitting

- Topographic survey for the area occupied in the public maritime domain, including onshore and offshore pipelines and CBM (10,200m2)
- Bathymetric survey (97,800m2)
- Settlement of Public Maritime Domain Occupancy: Drawings and settlement file submitted to the MPWT / DGLMT according to Law N64 dated 25/10/2017
- Decree of Public Maritime Domain Occupancy for offshore pipelines and tankers berth
- Drawings / Permitting

Ports / Oil & Gas Terminals / Sealines / Offshore Pipelines / **Mooring Structures** / **CBM** / Surveying / Permitting



Client CCIAT (Chamber of Commerce Industry and Agriculture at Tripoli and North Lebanon)

Location LEBANON - North Lebanon -
Tripoli city to Klayaat airport
34°30'30"N
35°56'50"E

Consultant SEATEC sarl

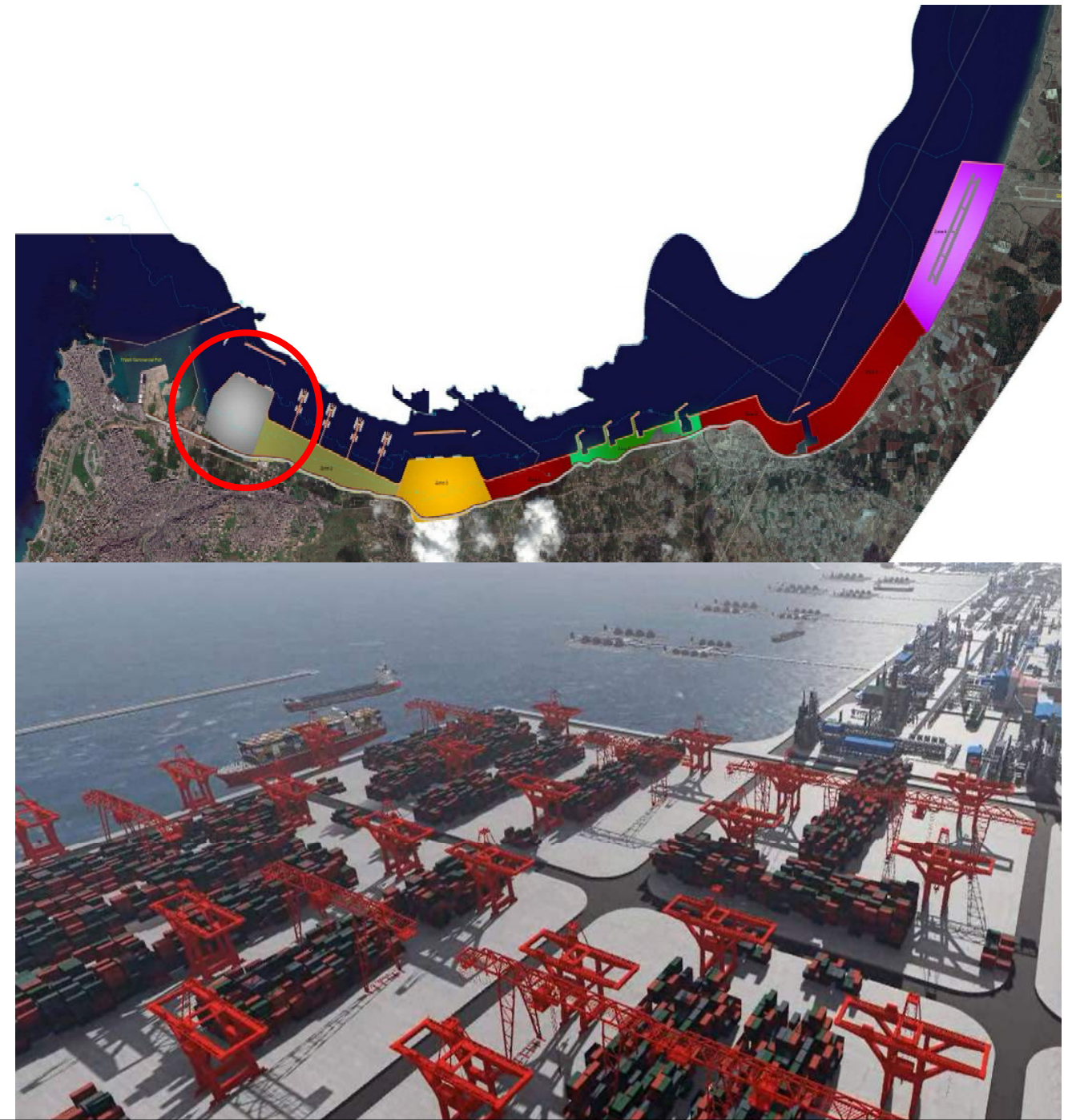
RECNR (Reclamation at North Lebanon)
Industrial zone from the Port of Tripoli to Klayaat Airport (23km of shoreline)

Year 2018 – 2019 – 2020 – 2021
Conceptual Design / Permitting

Zone 1 (1,750,000m²)

- Zone 1A (707,000m²) New container terminal
- Detached main breakwater (Rubble mound type, L=1,000m @max -15.00m MSL, core material, rocky filter and concrete Accropodes blocks)
- Extension of the Port main breakwater (Rubble mound type, L=1,000m @max -20.00m MSL, core material, rocky filter and concrete Accropodes blocks)

Ports / Waterfronts / Permitting / General Cargo Terminals / Industrial Ports / Oil & Gas Terminals / Fishing Ports / Container Terminals / Service Ports / Coastal Protections / Revetments / **Mooring Structures** / **Dolphins**



RECNO^R

- Main quaywall (L=1000m @-15.00m MSL) / sheetpiles QW

Zone 1B (326,000m²)

- Reclaimed area / extension of Tripoli Port existing container terminal

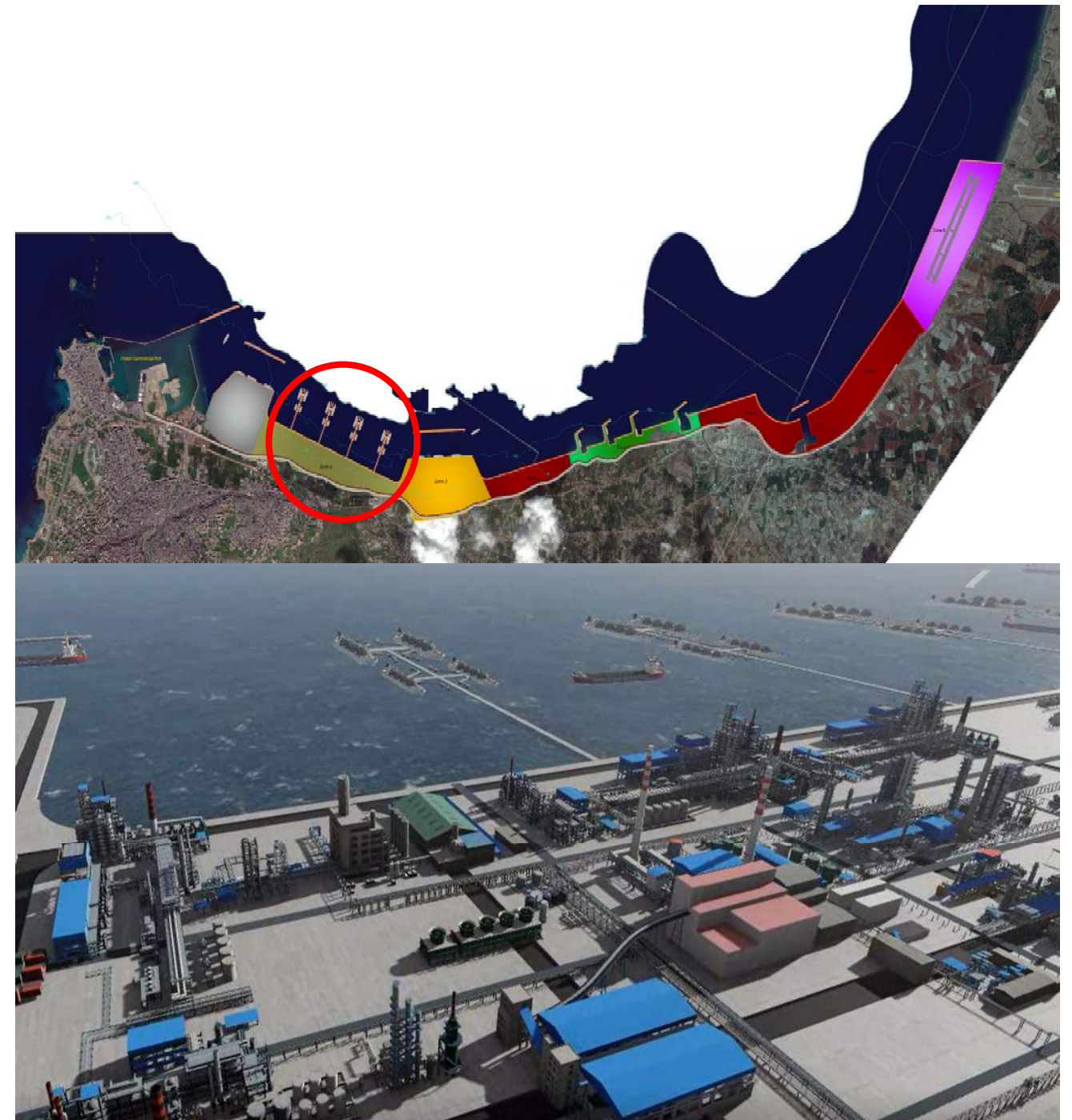
Zone 1C (716,000m²)

- Reclaimed area / new special economic zone (SEZ)

Zone 2 (1,857,000m²) Oil and gas terminal

- 4 Jetties for tankers berthing (Metallic structure on piles, L=870m)
- Berths (L=140m @-12.00m MSL, Nbr 8) / Breasting and Mooring dolphins
- Berths (L=225m @-18.00m MSL, Nbr 8) / Breasting and Mooring dolphins
- Reclaimed platforms for oil, gas and petrochemical industry, refineries, fuel storage tanks...
- Berthing capacity (16 tankers)

Ports / Waterfronts / Permitting / General Cargo Terminals / Industrial Ports / Oil & Gas Terminals / Fishing Ports / Container Terminals / Service Ports / Coastal Protections / Revetments / **Mooring Structures / Dolphins**



RECNO^R

Zone 3 (2,147,000m²) General cargo terminal and industrial zone

- Detached main breakwater (Rubble mound type, L=1,200m @max -15.00m MSL, core material, rocky filter and concrete Accropodes blocks)
- Main quaywall (L=1500m @-10.00m MSL) / Precast concrete blocks (Gravity QW)
- Terminal platforms for import of raw materials necessary for industries
- Industrial zone for miscellaneous industrial plants and storage

Zone 4 (936,000m²) Miscellaneous industries / platforms

- Reclaimed platforms
- Coastal protection
- Industrial zone for miscellaneous industrial plants and storage

Zone 5 (990,000m²) Special industries with berths

- Reclaimed platforms
- Special industries (clinker, coal...) with related berths

Ports / Waterfronts / Permitting / General Cargo Terminals / Industrial Ports / Oil & Gas Terminals / Fishing Ports / Container Terminals / Service Ports / Coastal Protections / Revetments / **Mooring Structures** / **Dolphins**



RECNR

Zone 6 (938,000m²) Oil and gas offshore platforms services

- Reclaimed platforms for service of offshore oil and gas platforms
- Storage of equipments, related maintenance and industry facilities
- Port for tug and service boats

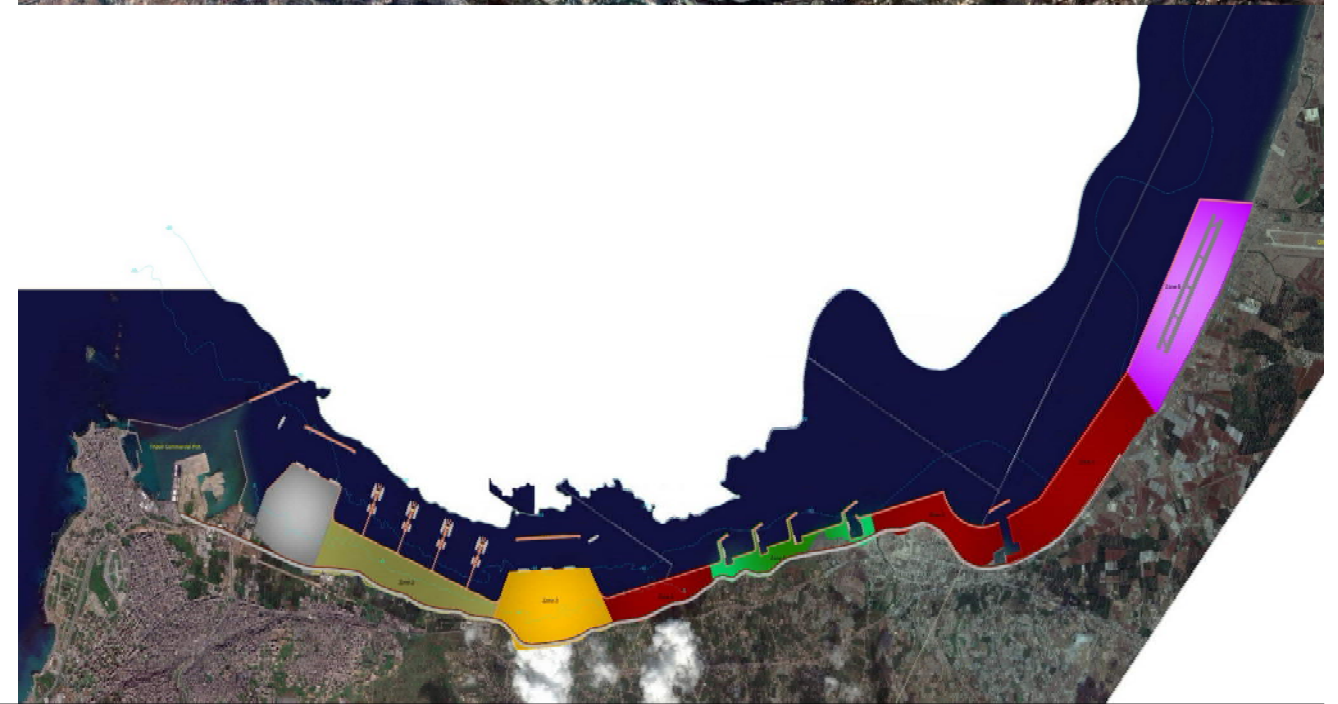
Zone 7 (3,054,000m²) Miscellaneous industries and fishing

- Reclaimed platforms
- Miscellaneous industries
- Fishing industries
- Extension of Abdeh Fishing Port

Zone 8 (4,178,000m²) Airport extension / services

- Extension of existing Klayaat Airport
- New runway
- Auxiliary services in neighboring platforms (hospitals, hotels...)
- Total reclaimed areas (16,096,000m²)
- Drawings / Presentation / Permitting

Ports / Waterfronts / Permitting / General Cargo Terminals / Industrial Ports / Oil & Gas Terminals / Fishing Ports / Container Terminals / Service Ports / Coastal Protections / Revetments / **Mooring Structures** / **Dolphins**



SAIDA RECLAIMED AREA

35

Client LEBANESE REPUBLIC
Ministry of Public Works and Transport
Directorate General of Land and Maritime Transport

Location LEBANON – Saida
33°32'45" N
35°21'44" E

Consultant SEATEC sarl

Master Plan / Zoning for the Reclaimed area in the vicinity of Saida Commercial Port (505,452 m2)

Year 2017
Design / Surveying

- Container and General Cargo (53,000m2)
- Grain silo (23,000m2)
- Special economic zone 1 (12,000m2)
- Special economic zone 2 (7,000m2)
- Open storage yard for cars (18,500m2)
- Oil and gas with sealine and offshore berth (59,500m2)
- Public spaces (28,754m2)
- Landfill area (70,000m2)
- Waste water treatment plant (8,500m2)
- Commercial area (50,750m2) Plots (195,500m2)
- Drawings / Decree / Master Plan

Ports / Container Terminals / General Cargo Terminals / Grain Terminals / Oil & Gas Terminals / Sealines / Offshore Pipelines / Waterfronts / **Mooring Structures** / **CBM**



Client MPC (Meskawi Petroleum Company) sal

Location LEBANON – Bauchrieh
33°54'46" N
35°34'45" E

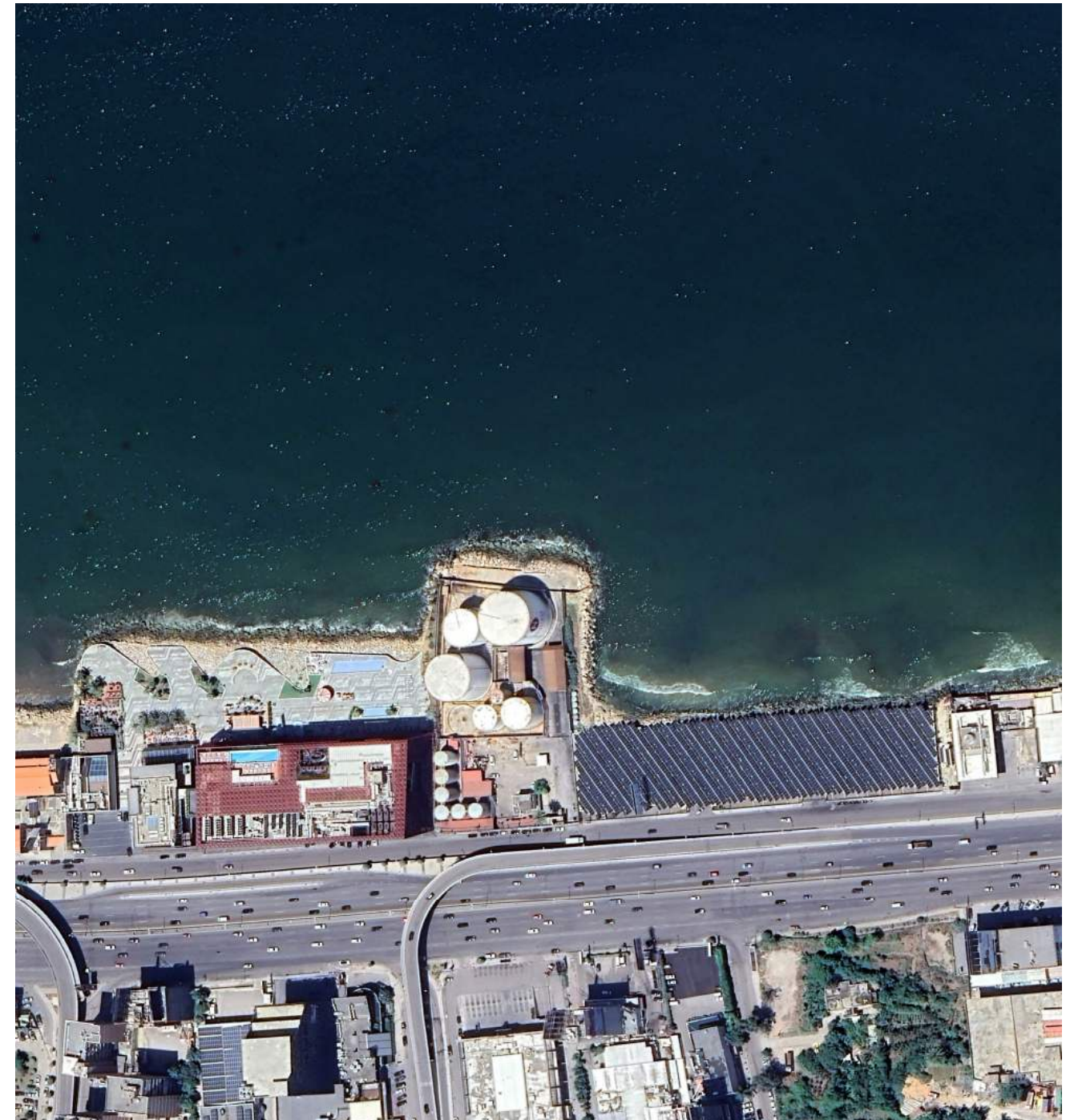
Consultant SEATEC sarl

MPC Terminal

Year 2018
Surveying / Permitting

- Settlement of Public Maritime Domain Occupancy: Drawings and settlement file submitted to the MPWT / DGLMT according to Law N64 dated 25/10/2017 (Permitting)
- Permit for reclaimed land occupancy
- Topographic survey
- Drawings / Permitting

Ports / Oil & Gas Terminals / Sealines / Offshore pipelines / **Mooring Structures** / **CBM** / Surveying / Permitting



Client LEBANON ENERGY srl

Location LEBANON – Amchit
34°08'27" N
35°37'44" E

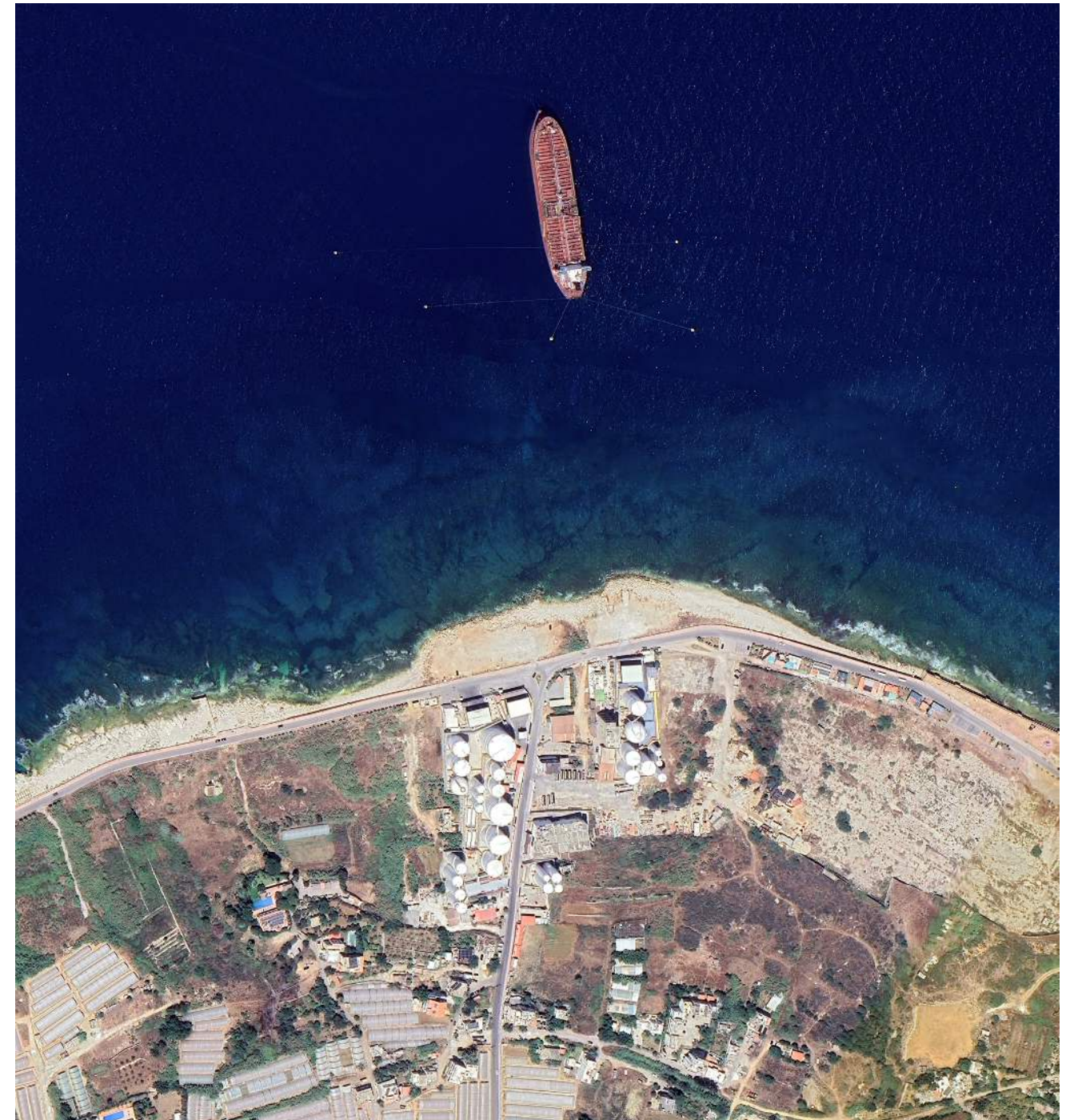
Consultant SEATEC srl

LEBANON ENERGY Terminal - 2

Year 2017 – 2018
Design / Surveying / Permitting

- Settlement of Public Maritime Domain Occupancy: Drawings and settlement file submitted to the MPWT / DGLMT according to Law N64 dated 25/10/2017 (Permitting)
- Permit (Decree) for offshore pipelines, tankers berth CBM and reclaimed land occupancy
- Topographic survey (5,800m²)
- Bathymetric survey (30,300m²)
- Drawings / Permitting

Ports / Oil & Gas Terminals / Seelines / Offshore Pipelines / **Mooring Structures** / **CBM** / Surveying / Permitting



Client IPT (Issa Petroleum trade)

Location LEBANON – Amchit
34°08'27" N
35°37'44" E

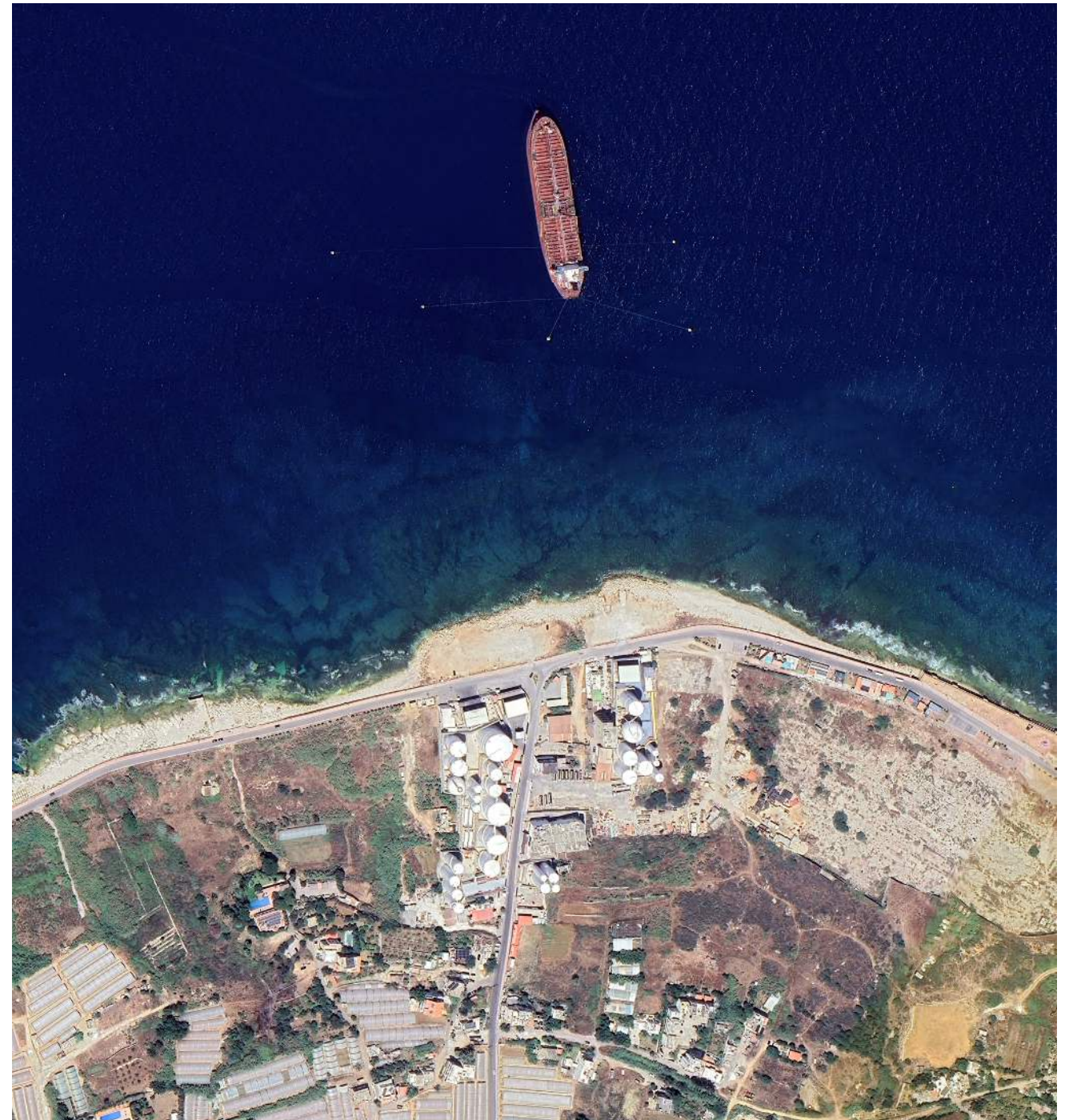
Consultant SEATEC sarl

IPT Terminal - 2

Year 2017 – 2018
Design / Surveying / Permitting

- Settlement of Public Maritime Domain Occupancy: Drawings and settlement file submitted to the MPWT / DGLMT according to Law N64 dated 25/10/2017 (Permitting)
- Permit (Decree) for offshore pipelines, tankers berth CBM and reclaimed land occupancy
- Coastal protection (seawalls)
- Topographic survey (3,250m²)
- Bathymetric survey (109,000m²)
- Drawings / Permitting

Ports / Oil & Gas Terminals / Seelines / Offshore Pipelines / **Mooring Structures** / **CBM** / Coastal Protections / Seawalls / Surveying / Permitting



TOTAL LIBAN TERMINAL - 2

39

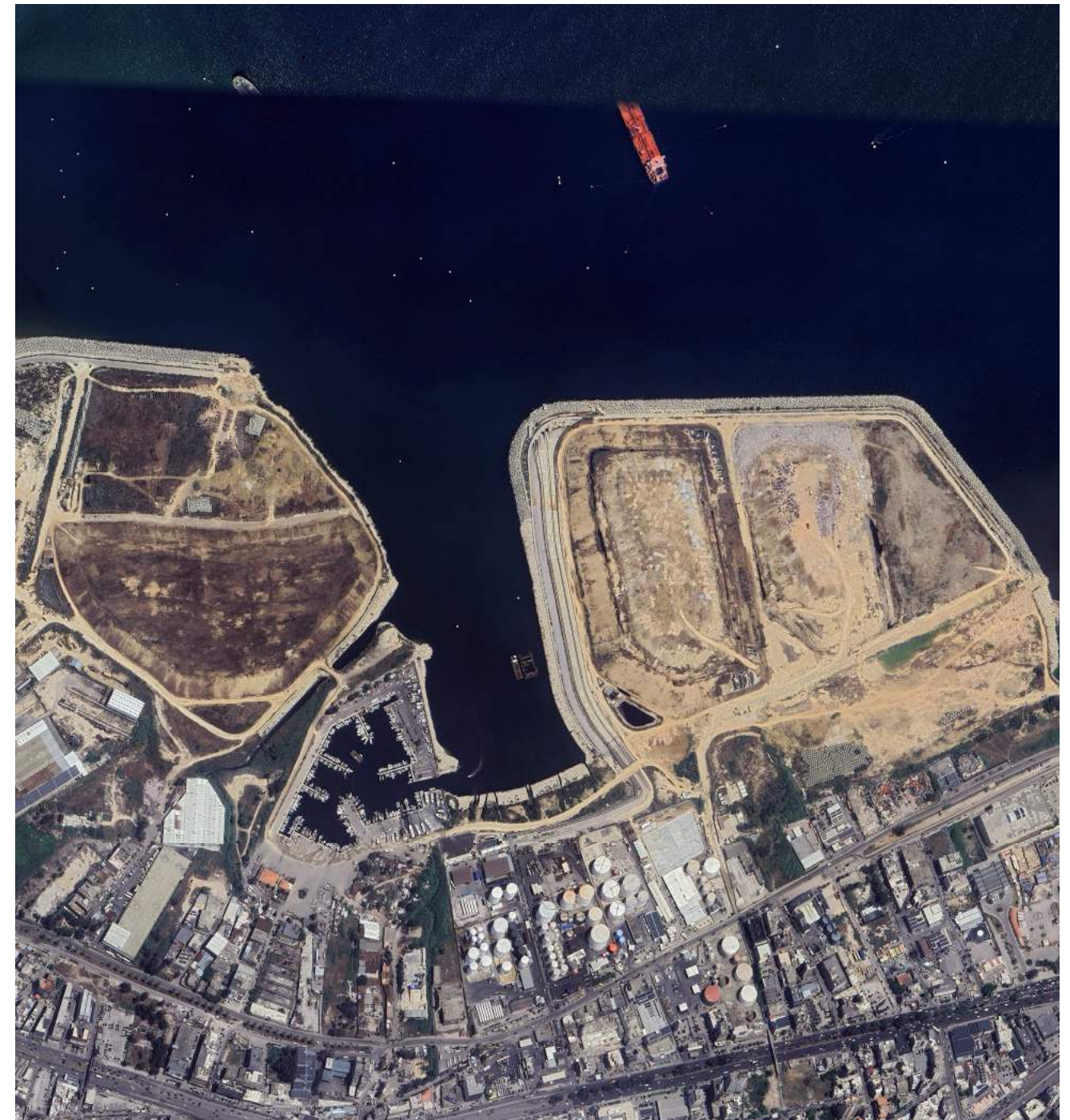
Client TOTAL LIBAN sal
Location LEBANON – Zouk
33°58'03" N
35°36'01" E
Consultant SEATEC sarl

TOTAL LIBAN Terminal - 2

Year 2017
Surveying / Permitting

- Topographic survey
- Settlement of Public Maritime Domain Occupancy: Drawings and settlement file submitted to the MPWT / DGLMT according to Law N64 dated 25/10/2017 (Permitting)
- Drawings / Permitting

Ports / Oil & Gas Terminals / Sealines / Offshore Pipelines / **Mooring Structures** / **CBM** / Surveying / Permitting



WARDIEH TERMINAL - 1

40

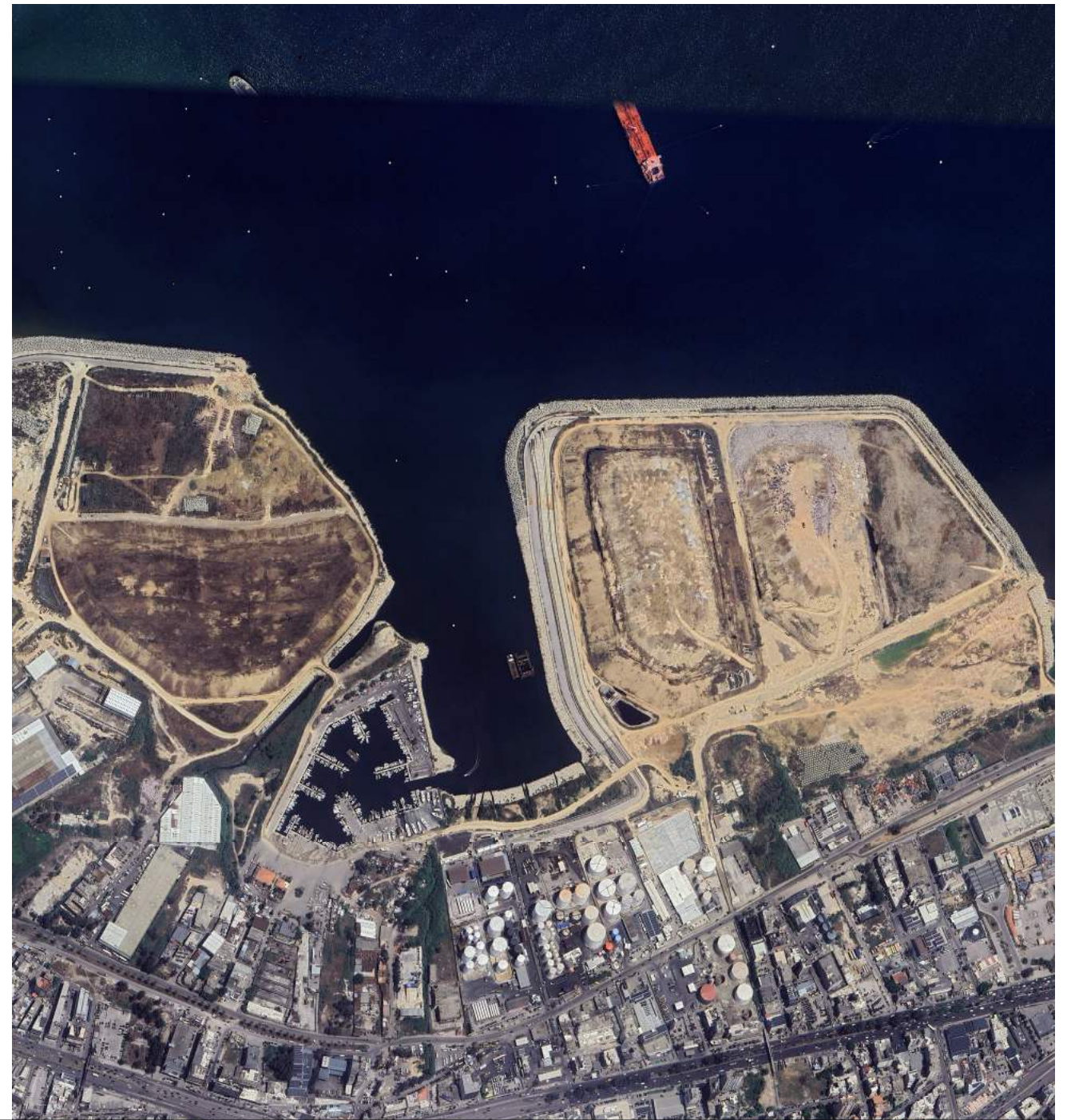
Client Wardieh Holding sal
Location LEBANON – Bauchriyeh
33°53'57" N
35°33'18" E
Consultant SEATEC sarl

Year 2017
Design / Surveying / Permitting

WARDIEH Terminal

- Design of an offshore pipeline (L=180m) and an onshore one (L=740m) for oil products
- Settlement of Public Maritime Domain Occupancy: Drawings and settlement file submitted to the MPWT / DGLMT according to Law N64 dated 25/10/2017 (Permitting)
- Permit (Decree) modification for offshore pipelines, tankers berth CBM and reclaimed land occupancy
- Topographic survey
- Drawings / Permitting

Ports / Oil & Gas Terminals / Sealines / Offshore Pipelines / **Mooring Structures** / **CBM** / Surveying / Permitting



UNITERMINALS - 1

41

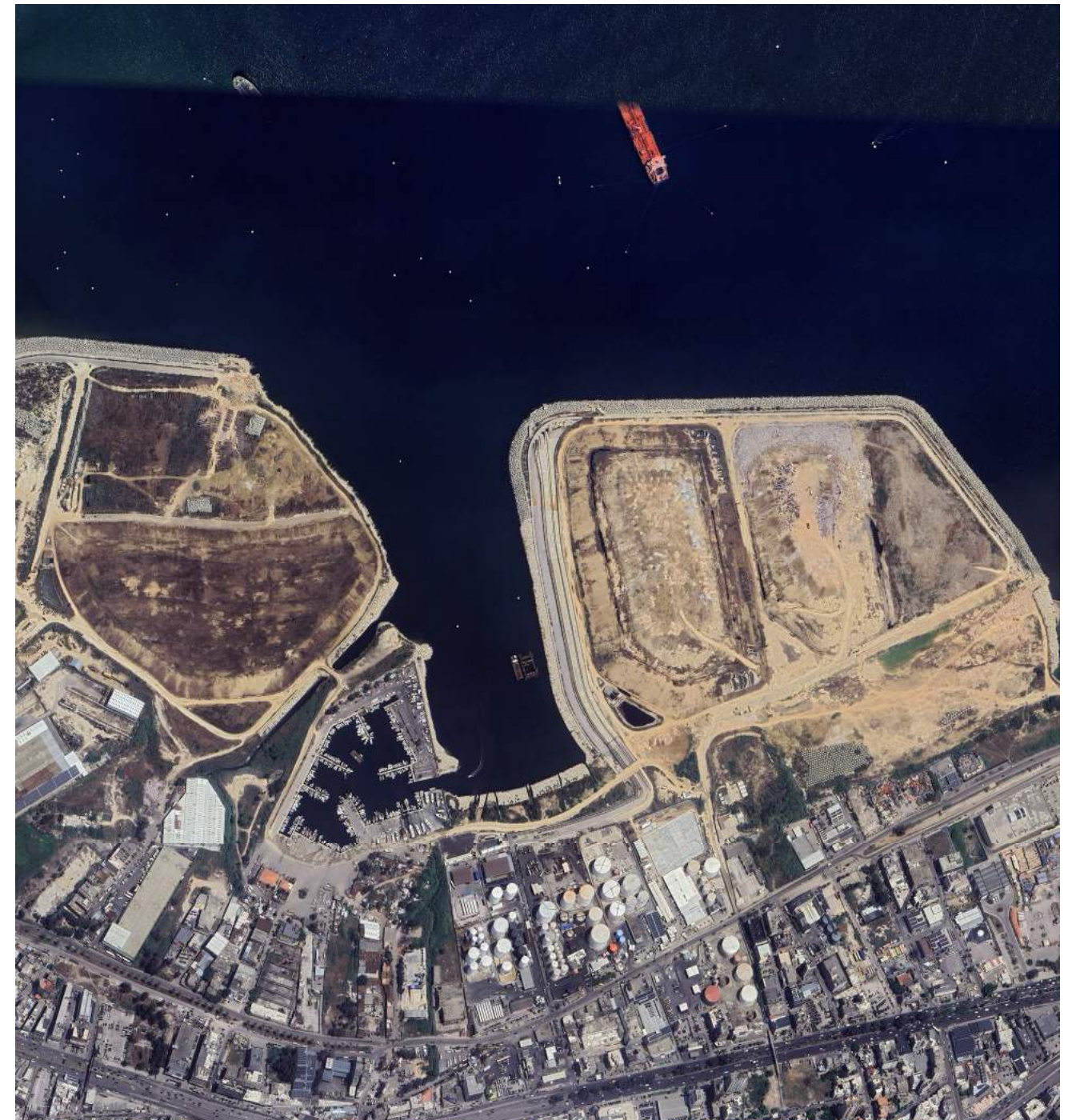
Client UNITERMINALS srl
Location LEBANON – Bauchriyeh
33°53'56" N
35°33'13" E
Consultant SEATEC srl

Year 2017
Design / Surveying / Permitting

UNITERMINALS - 1

- Design of an offshore pipeline (L=360m) and an onshore one (L=840m) for oil products
- Settlement of Public Maritime Domain Occupancy: Drawings and settlement file submitted to the MPWT / DGLMT according to Law N64 dated 25/10/2017 (Permitting)
- Permit (Decree) modification for offshore pipelines, tankers berth CBM and reclaimed land occupancy
- Topographic survey
- Drawings / Permitting

Ports / **Oil & Gas Terminals** / Sealines / Offshore Pipelines / **Mooring Structures** / **CBM** / Surveying / Permitting



GEFCO TERMINAL

42

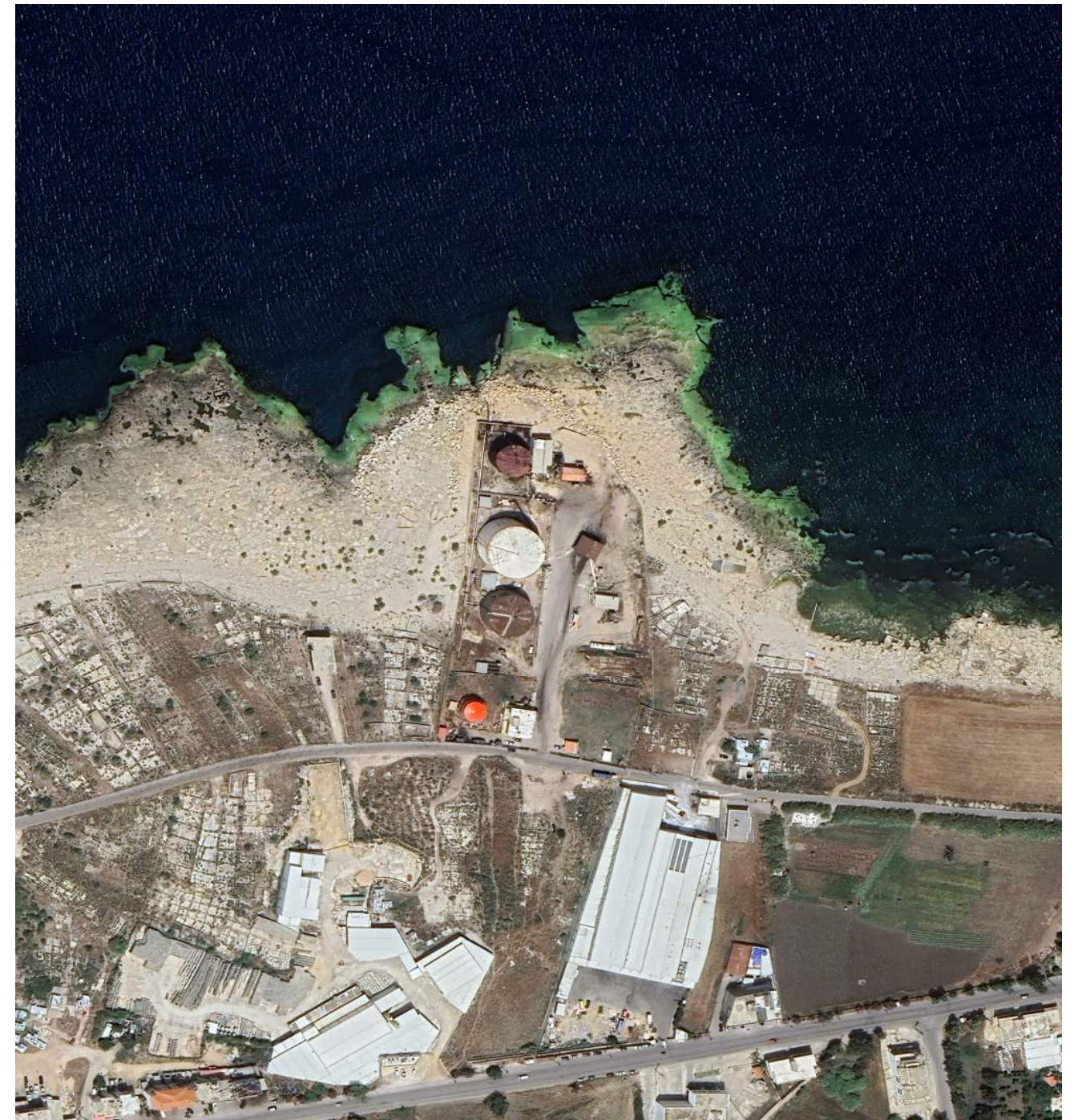
Client GEFCO
Location LEBANON – Anfeh
34°20'46" N
35°43'39" E
Consultant SEATEC sarl

Year 2017 – 2019
Surveying / Permitting

GEFCO Terminal

- Topographic survey for the area occupied in the public maritime domain
- Settlement of Public Maritime Domain Occupancy: Drawings and settlement file submitted to the MPWT / DGLMT according to Law N64 dated 25/10/2017 (Permitting)

Ports / **Oil & Gas Terminals** / Sealines / Offshore Pipelines / **Mooring Structures** / **CBM** / Surveying / Permitting



MOORING DOLPHINS AT THE PORT OF TRIPOLI (PoT)

43

Client LEBANESE REPUBLIC
Ministry of Public Works and Transport
Port of Tripoli Authority (PoTA)

Location LEBANON – Tripoli
34°27'39" N
35°49'48" E

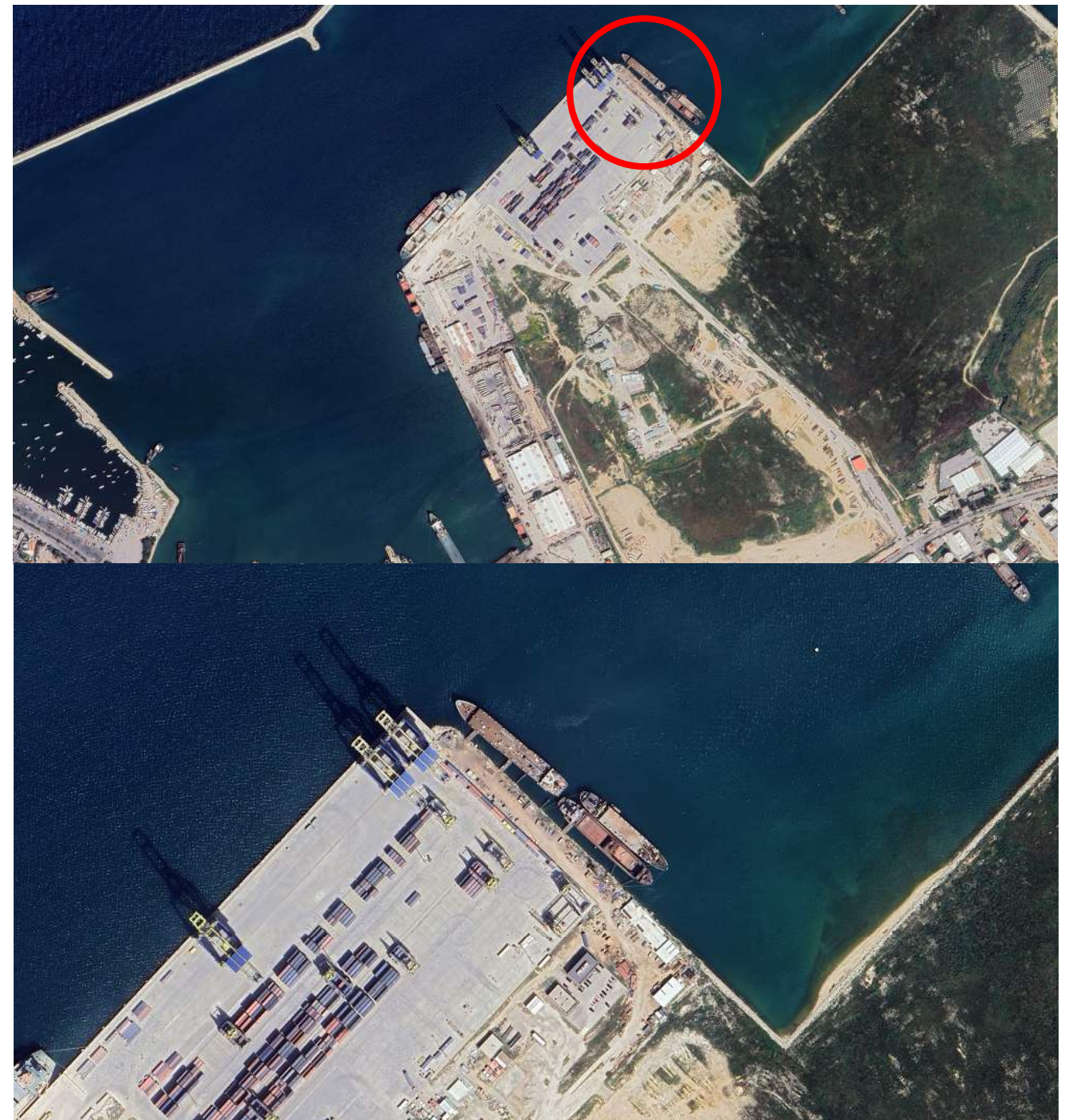
Consultant SEATEC sarl

Mooring Dolphins at the Port of Tripoli (PoT)

Year 2017
Design / Surveying / Supervision

- 8 mooring piles (OD1250mm, L~18.00m) for temporary mooring of 8000 DWT ships
- Topographic survey
- Bathymetric survey (10,000m²)
- Tender Documents / Drawings / BoQ
- Works Supervision

Ports / Surveying / General Cargo Terminals / Container Terminals / Service Ports
/ **Mooring Structures / Dolphins**



FLOATING DOCK AT THE PORT OF TRIPOLI (PoT) (1/2)

44

Client LEBANESE REPUBLIC
Ministry of Public Works and Transport
Port of Tripoli Authority (PoTA)

Location LEBANON – Tripoli
34°27'44" N
35°50'07" E

Consultant SEATEC sarl

Floating Dock at the Port of Tripoli (PoT)

Year 2017 - 2018
Design / Surveying

- Design of all facilities for a DBOT floating dock (L= 170m / Lifting capacity= 8000 DWT)
- Quaywall (PCB / Gravity QW) @ -14.00m MSL
- Dredging works for basin and access channel @ -8.00m and -14.00m MSL
- Topographic survey
- Bathymetric survey (40,000m²)
- DBOT Tender Documents / Drawings / BoQ
- Prefeasibility study

Ports / Surveying / Dredging / Service Ports / **Mooring Structures** / **Dolphins** / Lift Structures / Floating Docks



FLOATING DOCK AT THE PORT OF TRIPOLI (PoT) (2/2)

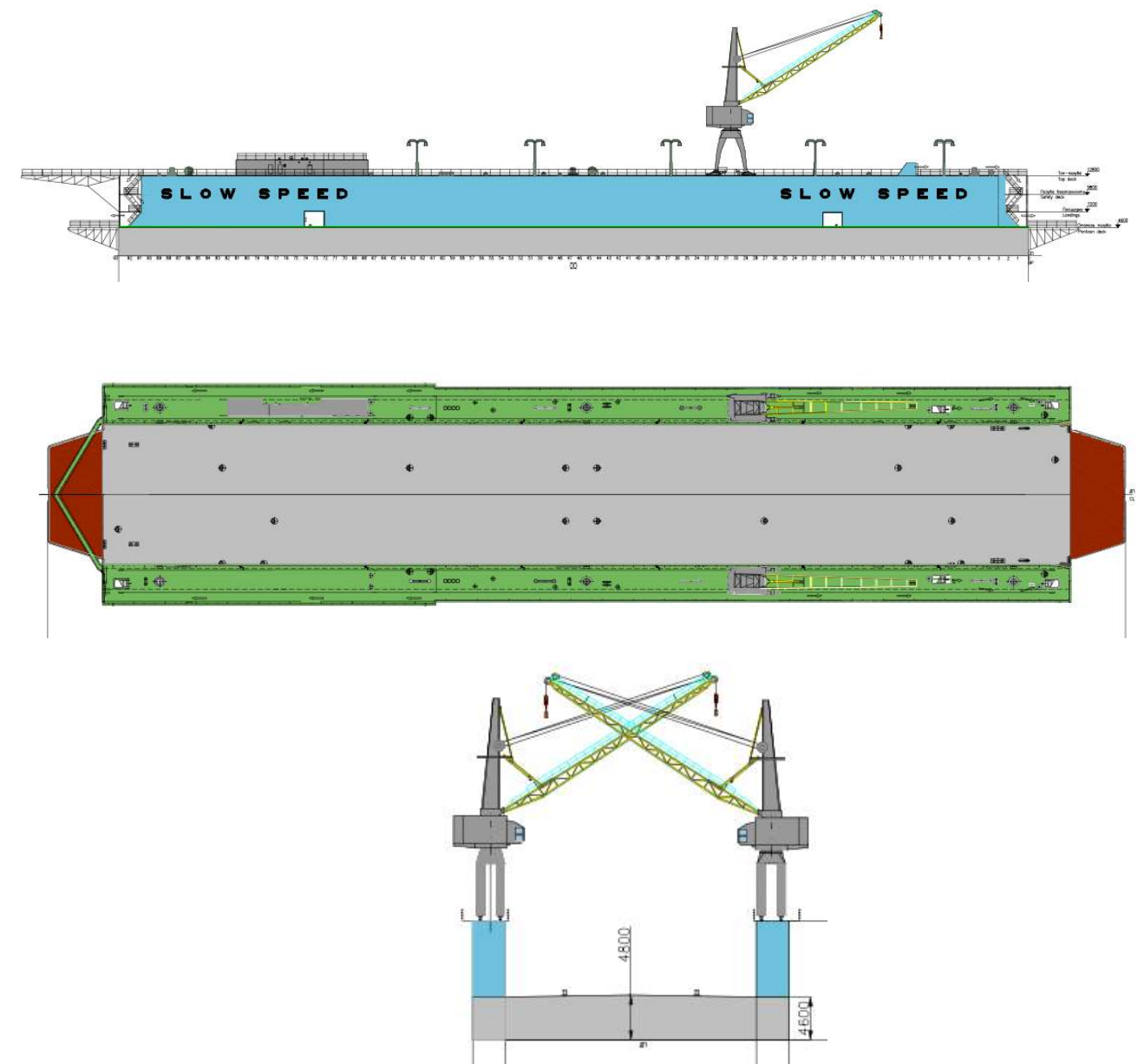
45

Floating Dock at the Port of Tripoli (PoT)

Year 2023 - 2024

Design update

- New location for the floating dock within the PoT
- Reclaimed working area (11,250m²)
- Landing platform/quaywall (PCB/Gravity QW) L=20.00m @-14.00m MSL
- 7 mooring / breasting dolphins for temporary berth
- Dredging works for basin @-8.00m and floating dock berth @-14.00m MSL
- Access road along existing fill (L~450m @-6.00m MSL)
- Client assistance for the DBOT Tendering process
- DBOT Tender Documents / Drawings / BoQ
- Prefeasibility study



Ports / Surveying / Dredging / Service Ports / **Mooring Structures / Dolphins / Lift Structures / Floating Docks**

COGICO TERMINAL - 1

46

Client COGICO sal

Location LEBANON – Jieh
33°39'00" N
35°24'35" E

Consultant SEATEC sarl

Year 2017 – 2018
Design / Surveying / Permitting

COGICO Terminal - 1

- Design of a new tanker berth @-14.00m
- Breakwater with Accropodes blocks protection
- Quaywall @-14.00m (Precast concrete blocks / gravity QW)
- Dredging for access channel and maneuvering area
- Topographic survey for existing structures
- Bathymetric survey (540,000m²)
- Drawings / BoQ

Ports / Oil & Gas Terminals / Sealines / Offshore Pipelines / **Mooring Structures** / **CBM** / Coastal Protections / Revetments / Surveying / Permitting



LIQUIGAS TERMINAL

47

Client LIQUIGAS srl
Location LEBANON – Zouk
33°58'03" N
35°36'01" E
Consultant SEATEC srl

Year 2016
Design / Surveying / Permitting

LIQUIGAS Terminal

- Sloped protection (Rubble mound type, L=442m @max - 5.00m, precast concrete 6.3m³ Accropodes blocks Type I)
- Reclaimed area layout (14,464m²)
- Offshore pipelines (L=535m) with CBM berth for oil products import
- Decree modification for offshore pipelines, tankers berth CBM and reclaimed land occupancy
- Topographic survey (14,000m²)
- Bathymetric survey (216,000m²)
- Drawings / BoQ / Permitting

Ports / Oil & Gas Terminals / Seelines / Offshore Pipelines / Coastal Protections / Revetements / **Mooring Structures** / **CBM** / Surveying / Permitting



TOTAL LIBAN TERMINAL - 1

48

Client TOTAL LIBAN sal

Location LEBANON – Zouk
33°58'03" N
35°36'01" E

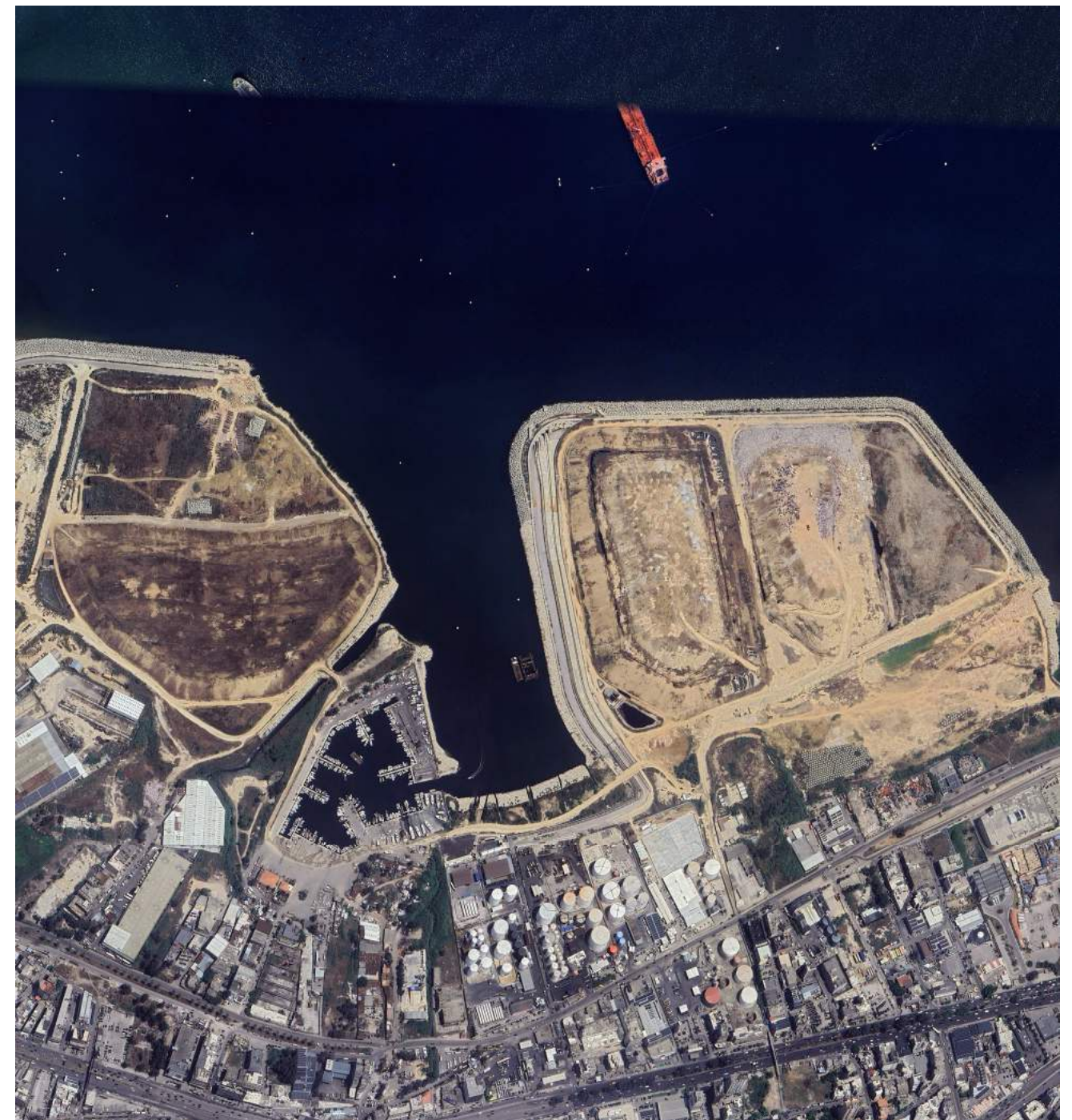
Consultant SEATEC sarl

Year 2014
Design / Surveying / Permitting

TOTAL LIBAN Terminal - 1

- Design of an offshore pipeline (L=1,076m) for oil products
- Decree modification for offshore pipelines, tankers berth CBM and reclaimed land occupancy
- Topographic survey (7,400m²)
- Bathymetric survey (176,000m²)
- Drawings / Permitting

Ports / Oil & Gas Terminals / Sealines / Offshore Pipelines / **Mooring Structures** / **CBM** / Surveying / Permitting



UNIVERSAL GAS TERMINAL - 1

49

Client UNIVERSAL GAS srl

Location LEBANON – Amchit
34°08'30" N
35°37'44" E

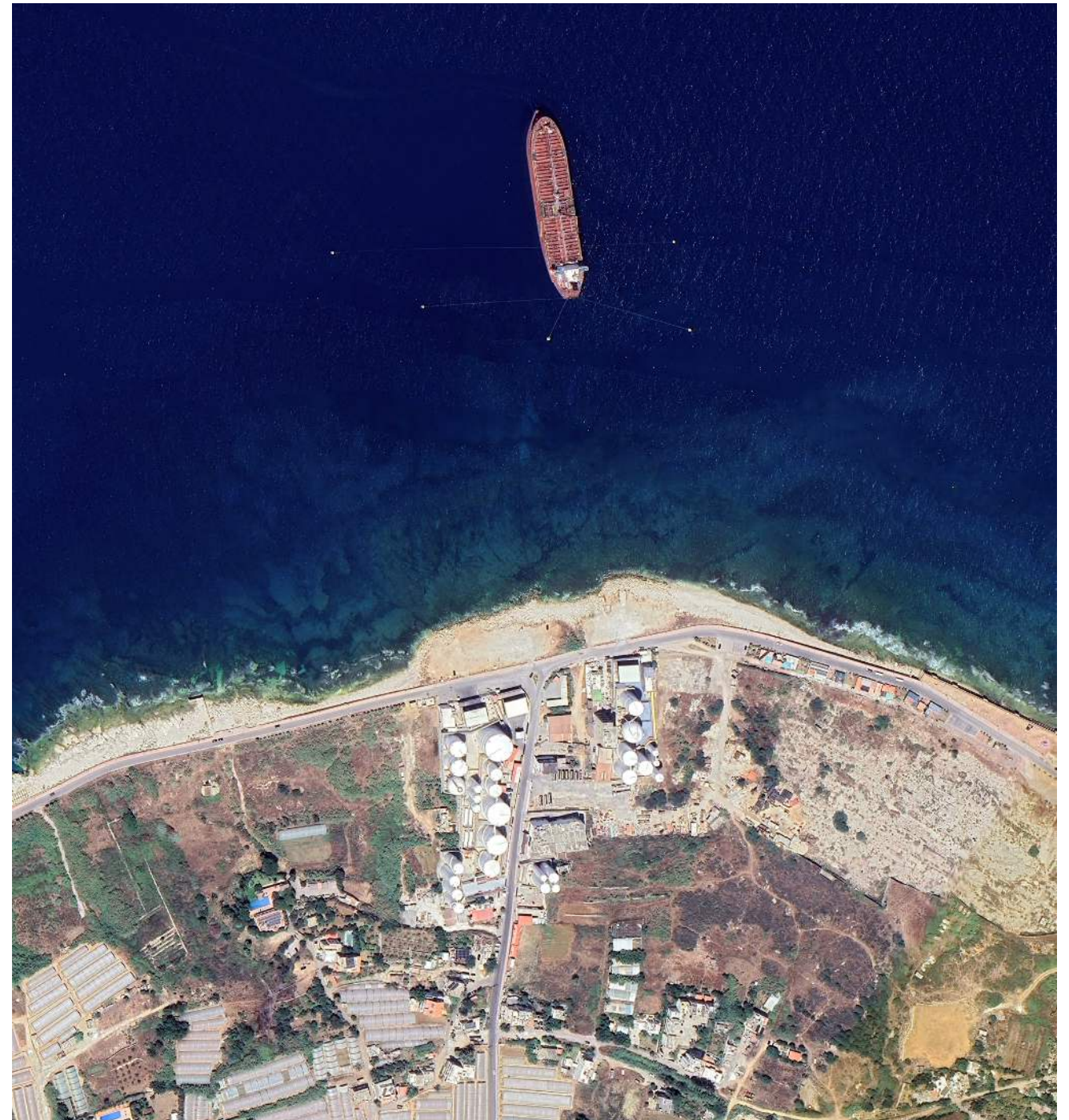
Consultant SEATEC srl

Year 2013
Surveying

Universal Gas Terminal - 1

- Topographic survey of existing onshore / offshore pipelines and 4 mooring buoys (CBM)
- Drawings

Ports / Oil & Gas Terminals / Sealines / Offshore Pipelines / **Mooring Structures / CBM** / Surveying



IAPCO TERMINAL

50

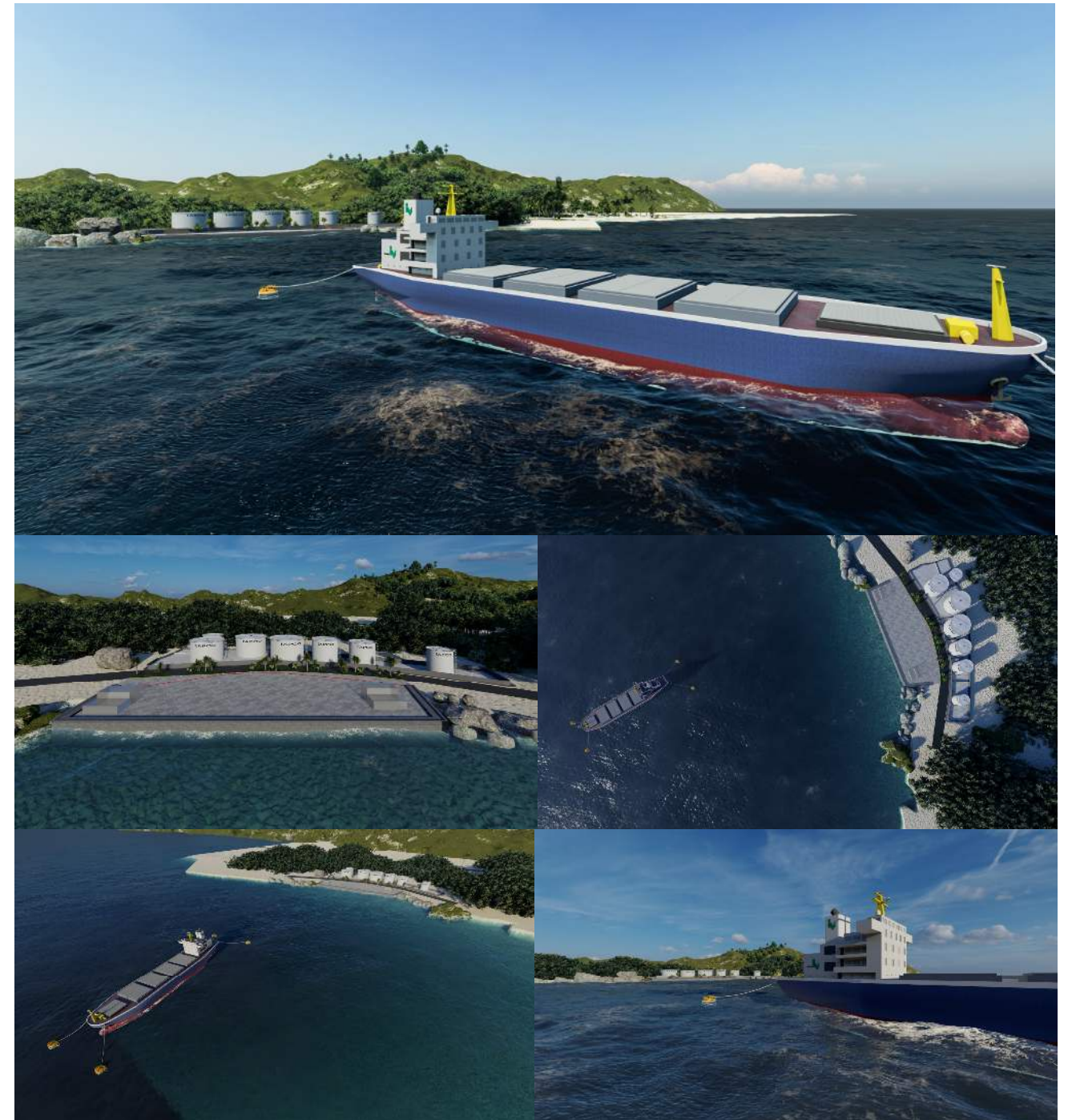
Client IAPCO sal
Location LEBANON – Selaata
34°17'10" N
35°39'53" E
Consultant SEATEC sarl

IAPCO Terminal

Year 2013 – 2017 – 2019
Design / Surveying / Permitting

- Design of an offshore pipeline (L=311m) for fuel/oil products
- Land reclamation with RC seawall protection
- Conceptual design of tanks and related buildings / facilities in the private plot
- Topographic survey (64,000m²)
- Bathymetric survey (154,000m²)
- Specifications / Drawings / BoQ / Permitting

Ports / Oil & Gas Terminals / Seelines / Offshore Pipelines / Coastal Protections / Seawalls / **Mooring Structures** / **CBM** / Surveying / Permitting



CORAL OIL TERMINAL

51

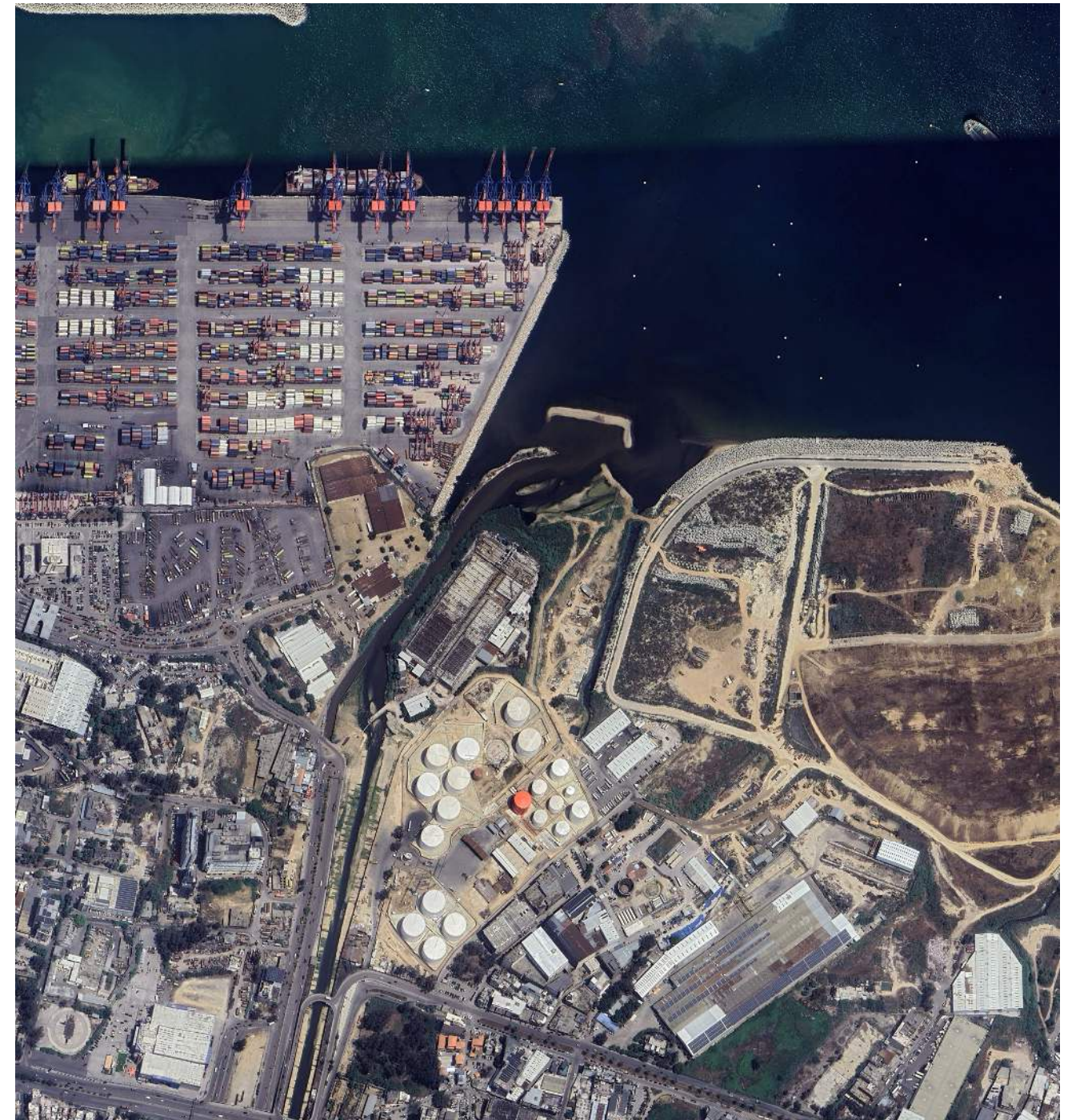
Client Coral Oil Co. limited sal
Location LEBANON – Borj Hammoud
33°54'02" N
35°32'28" E
Consultant SEATEC sarl

Coral Oil Terminal Survey

Year 2010 – 2011 – 2012
Design / Surveying / Permitting

- Design of an offshore pipeline (L=450m) for oil products and two storage areas
- Decree modification for onshore/offshore pipelines, tankers berth and storage areas occupancy in the Public Maritime Domain
- Topographic survey (16,000m²)
- Bathymetric survey (10,500m²)
- Drawings / Permitting

Ports / Oil & Gas Terminals / Sealines / Offshore Pipelines / **Mooring Structures** / **CBM** / Surveying / Permitting



MOORING & BREASTING DOLPHINS AT THE PORT OF TRIPOLI

52

Client LEBANESE REPUBLIC
Ministry of Public Works and Transport
Port of Tripoli Authority (PoTA)

Location LEBANON – Tripoli
35°49'34" N
35°49'28" E

Consultant SEATEC sarl

Mooring and breasting dolphins at the Port of Tripoli (PoT)

Year 2010
Design / Surveying

- 3 mooring dolphins for tug boats
- 14 mooring bollards onshore
- Marine accessories (cylindrical fenders)
- Topographic survey
- Bathymetric survey (23,000m²)
- Drawings / BoQ



Ports / Surveying / General Cargo Terminals / Service Ports / **Mooring Structures / Dolphins**

FALCON TERMINAL

53

Client 799 Bassatine Tripoli

Location LEBANON – Tripoli
34°27'6" N
35°50'16" E

Consultant SEATEC sarl

Falcon Terminal

Year 2009
Conceptual Design / Permitting

- Conceptual design of offshore pipeline (L=2,100m) for oil products up to -14.00m MSL
- Decree modification of the public maritime domain occupancy for onshore / offshore pipeline and tankers berth
- Drawings / Permitting



Ports / Oil & Gas Terminals / Sealines / Offshore Pipelines / **Mooring Structures** / **CBM** / Permitting

MOORING DOLPHINS AT THE PORT OF TRIPOLI (PoT)

54

Client LEBANESE REPUBLIC
Ministry of Public Works and Transport
Port of Tripoli Authority (PoTA)

Location LEBANON – Tripoli
34°27'6" N
35°49'28" E

Consultant SEATEC sarl

Mooring Dolphins at the Port of Tripoli (PoT)

Year 2009
Design

- Two mooring dolphins for tug boats
- Marine accessories (Bollards, cylindrical fenders)
- Drawings / Specifications / BoQ



Ports / Surveying / General Cargo Terminals / Service Ports / **Mooring Structures / Dolphins**

MEDCO TERMINAL - 1

55

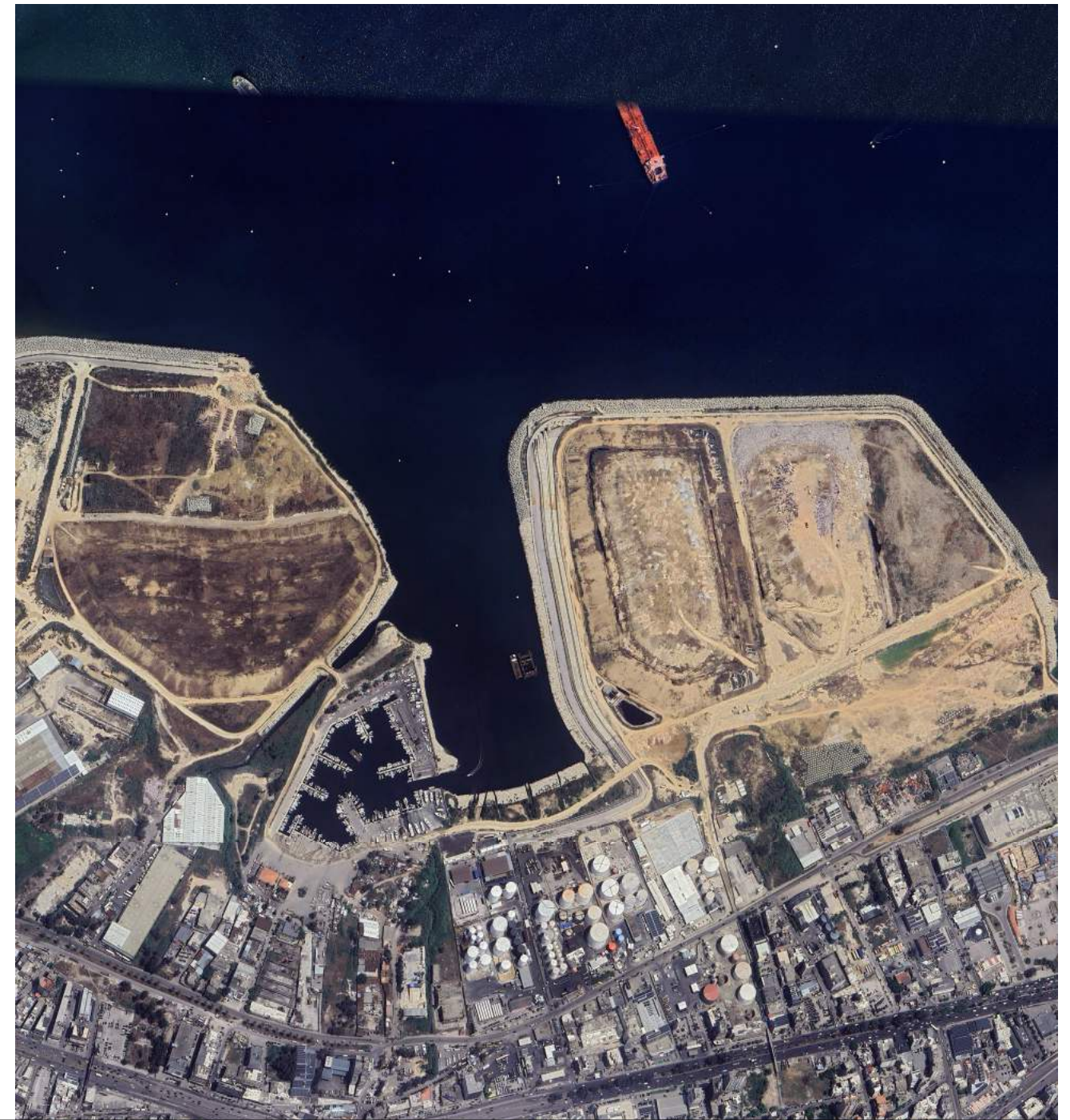
Client MEDCO sal
Location LEBANON – Bauchriyeh
33°53'47" N
35°33'12" E
Consultant SEATEC sarl

MEDCO Terminal - 1

Year 2008 – 2009 – 2012 – 2013 – 2019
Design / Surveying / Permitting

- Design of an offshore pipeline (L=1,270m) for oil products
- Decree modification for offshore pipelines and tankers berth occupancy in the public maritime domain
- Topographic survey of existing offshore pipelines and CBM
- Bathymetric survey (40,000m2)
- Drawings / Permitting

Ports / Oil & Gas Terminals / Seelines / Offshore Pipelines / **Mooring Structures** / **CBM** / Surveying / Permitting



BYBLOS SUD VILLAGE (1/2)

56

Client Touristic and Property Development Co. srl (TPD)

Location LEBANON – Byblos
34°6'35"N
35°39'0"E

Consultant SEATEC srl

Byblos sud village

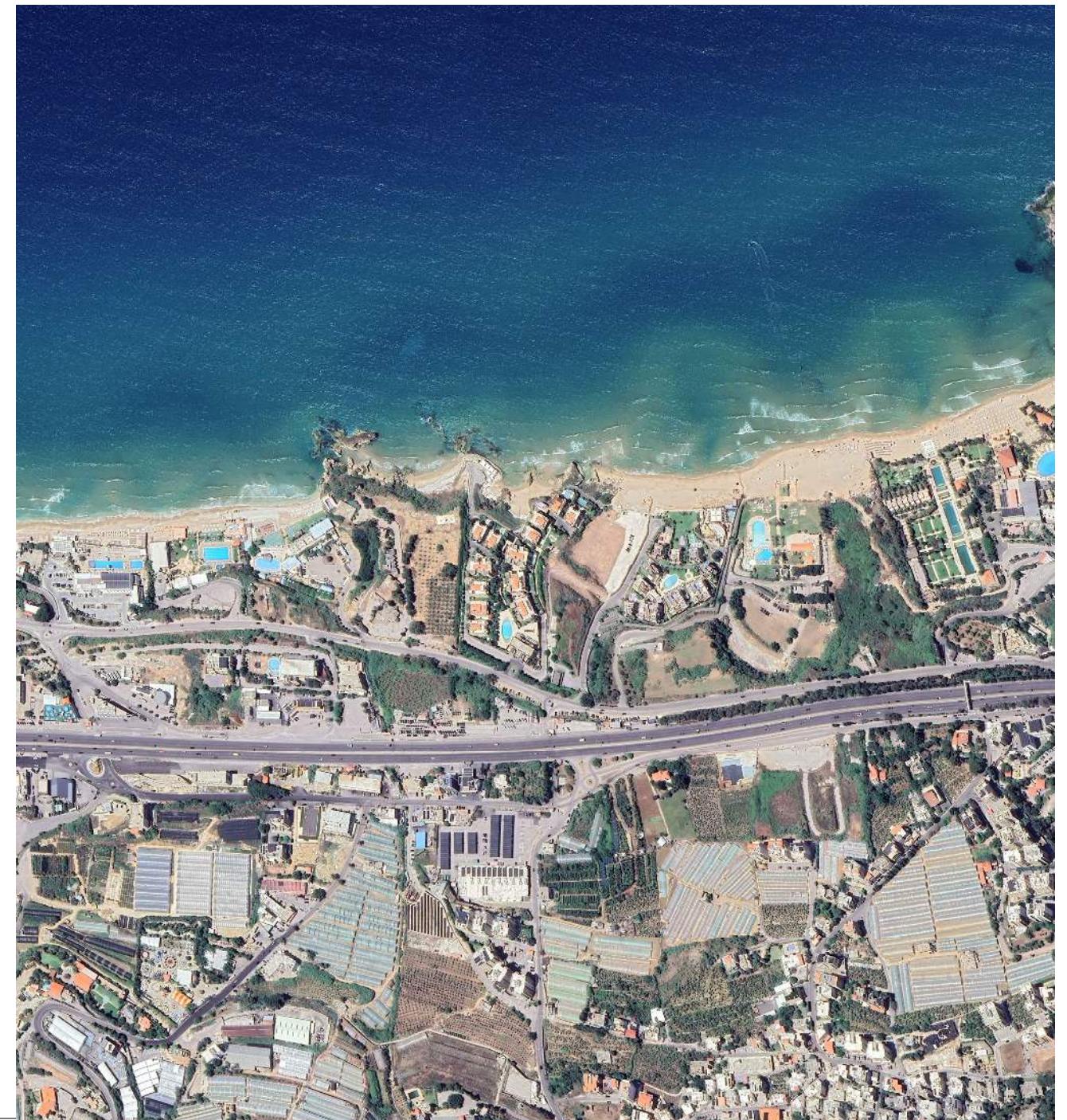
Year 2008
Conceptual design / Surveying / Permitting

- Waterfront design
- Wooden pontoon (L=157m; W=4.00m; max depth @ -3.50m MSL) on a steel piles structure
- Topographic survey (1,200m²)
- Bathymetric survey (9,000m²)
- Specifications / Drawings / BoQ

Year 2009
Conceptual design

- Fiberglass floating pontoon (L=157m; W=4.00m; max depth @ -3.50m MSL) on a steel piles structure
- Specifications / Drawings / BoQ

Mooring Structures / Surveying / Permitting



BYBLOS SUD VILLAGE (2/2)

57

Byblos sud village

Year 2010
Design / Permitting

- Concrete floating pontoon (L=178m; W=6.00 / 7.00m; max depth @-3.50m MSL) with dead weights
- Specifications / Drawings / BoQ

Year 2011
Design

- Delimitation of the swimming area (17,000m²) with ropes, dead weights and plastic buoys
- Specifications / Drawings / BoQ

Year 2013
Design

- Floating pontoon (fiber boxes connected with pins, with dead weights)
- Specifications / Drawings / BoQ

Mooring Structures / Surveying / Permitting

