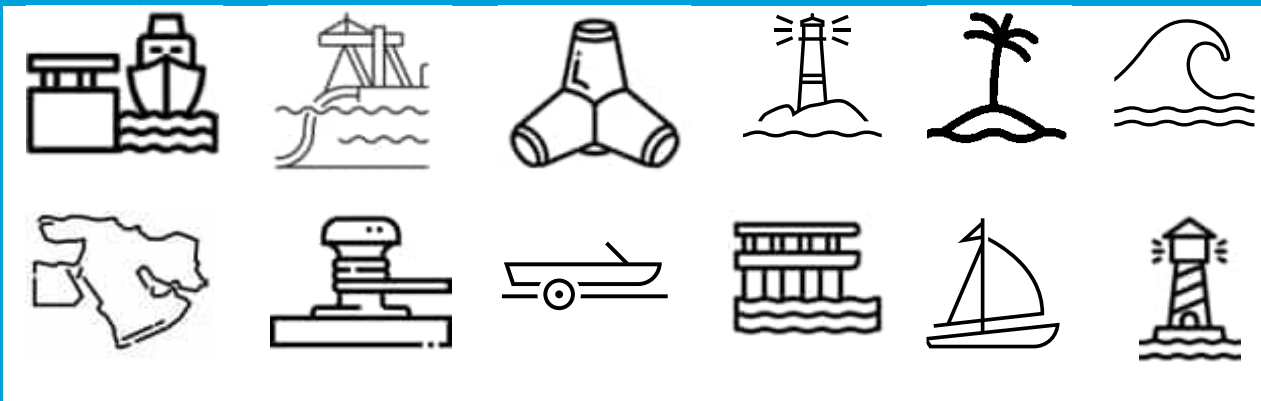


PORTFOLIO

Engineering Consultations Center- TRUST

Coastal & Harbors Experience



EGYPT

Teiba Tower - 28 Salah Salem St.
Post Code: 42111, Port-Said, EGYPT
Tel. + 20 66 3201858
Web: ecc-trust.com info@ecc-trust.com



UAE

6th floor, The Meydan Hotel, Grandstand
Nad Al Sheba, Dubai, U.A.E
Phone: +971 047777222 – 800 (FZ1) 391
Cx@meydanfz.ae

Welcome to our company

*Whatever your Marine-Civil engineering requirements. **TRUST** us!*

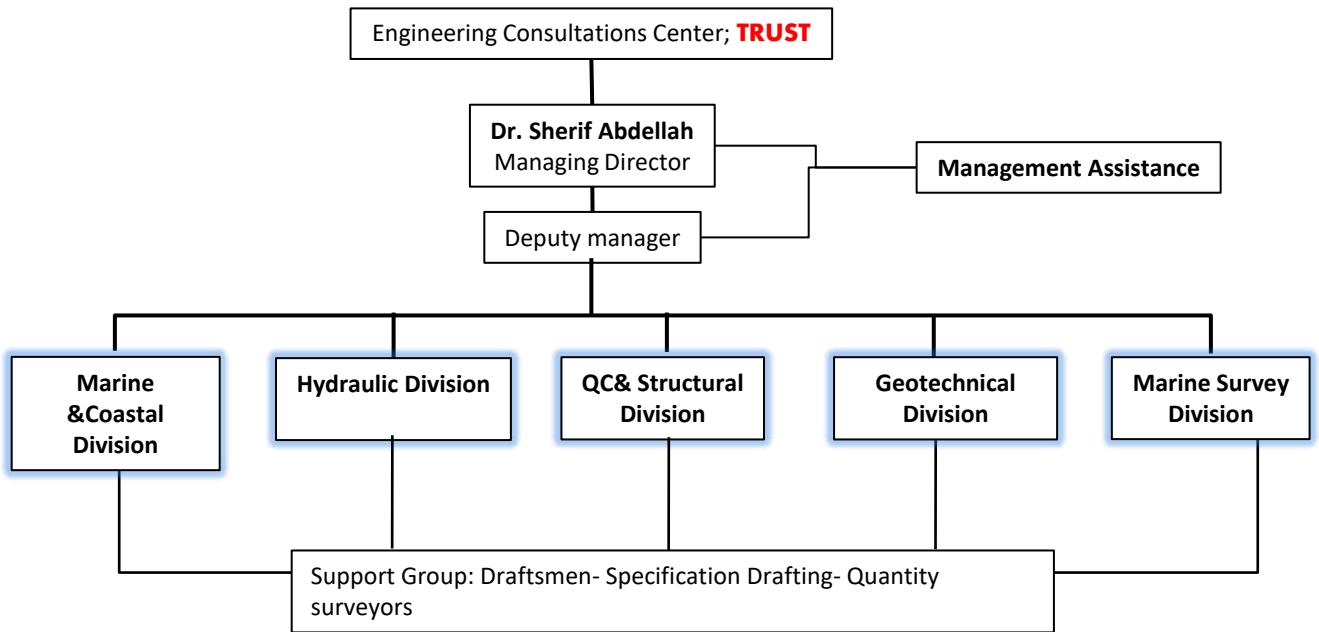
Vision

To be the most successful, respected, and singled out engineering consultants for both clients and Participants.

Mission

To provide efficiency-oriented consultancy services to our clients by offering value added and cost-effective service to improve our clients' performance and revenue.

ORGANIZATION CHART



RECORD OF OUR PROJECTS

EGYPT



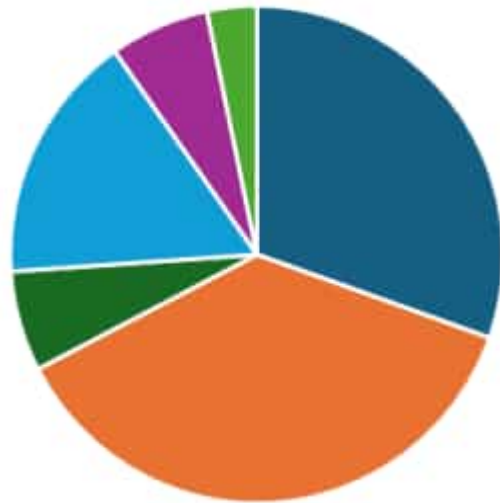
KUWAIT



KSA



UAE



■ EGYPT ■ KUWAIT ■ KSA ■ QATAR ■ UAE ■ Others

QATAR



OTHERS



Our Partners



The BIM Customer

KUWAIT



- Detailed Design of Logistic Naval Base harbor- TOA, KMOD/USACE
- Design of Coast Guard Base- Warba Island, MOI
- Studies for Logistic Naval Base harbor-TOA, KMOD/ USACE
- Design management for New supporting vessels Harbors (North and South Harbos), KOC
- Design for two mooring dolphins for ferry boats, KPTC
- Design of storm culvert at National Guard marina- China Harbor
- Conceptual Design for Flag Island & access bridge
- Design of Seawall for New Maternity Hospital
- Study and Design beach protections, Khiran and S. Shehab
- Design for Jib cranes railway foundation system for STFA contractor
- Design Review for MTCC marine Base, TOA - KMOD/ USACE
- Design and Design Review of Rehabilitation and upgrading of KNB-TOA, KMOD/USACE
- Design of new and Major rehabilitation berths, Doha Port
- Design of a walkway jetty at Kuwait Towers, DS Contractor
- Design of a launching Ramp, fishing harbor, Ras Elard, DS Contractor
- Conceptual design for Diplomatic Club and Marina- Salimya– Kuwait, SSHI, MOFA
- Design for Coast Guard Base- Subbiyah, MOI
- Design Coast Guard Base- Qarouh Island, MOI
- Planning and design of Police Club Marina, Funaites, MOI
- Design of Coast Guard Base at Failaka Island, MOI
- Design of Rehabilitation works for Main Al-Sabah Coast guard base- Fintas, MOI
- Design of New Boatlift and repair yard, Khiran, KETC
- Study of Sea outfall of Shuaiba Power station and necessary development to meet KEPA, MOEW
- Design of Mega Jahra Pump Station, EPC Project, Mushrif Co., MPW
- Design review/engineering service for Marine Science Center, FINTAS, Mushrif Co, Kuwait University
- Study Shuaiba power station front sea environment and design remedy engineering solutions.
- Ras Elard Club beach protection works, KEC
- Rehabilitation and development of Ras Elard harbor, KPTC, Joan Alkuwait Co.

- Study and detailed design of Rehabilitation works for Khiran coast Guard center, Khiran, MOI.
- Study and detailed design for Alshaya private villa's shore protection works.
- Study and Design of new floating berths and Rehabilitation of slipway, Joan Alkuwait Co., Ras Salmyia.
- Studies and detailed design for AlBarrak Ships Repair Yard, Doha, Kuwait.
- Constructing of 7 berths in Shuwaikh Port- EPC project by Hyundai-GDC Co. we Review and issue approval for all design document- Kuwait Ports Authority.
- Studies, design, IFC Dwgs, and consultations for AlFahaheel Marina Rehabilitation and improve all marine items including breakwater, KEC company.

KSA



- Dredging for Deepening Yanbu commercial port, YANBU.
- Deepening Jubail commercial port-and Berths development- JUBAIL.
- Design of Services Berth, Duba, Aramco Oil company
- Design of outfall pipelines at Dammam shore- Civil works Co.
- Design of in-sea overflow pipelines, pump station, technical support on construction, DORSCHÉ Consultant, MPQ, KSA.
- Studies, design, and tender document for Ras ElKhair Port dredging works.

UAE



- Design review for Sewage Treatment Plant Project [110,000 m³/d], Samsung/Mushrif, Dubai, UAE
- Sea Palace Private Island and beach, Magellan Construction Company, Abu Dhabi, UAE.
- Berthing Facilities, Nawares Island, Magellan Co., Abu Dhabi, UAE
- Ritz Carlton shore protection and floating Marine, Abu Dhabi, UAE
- AlSadiyat shore protection, Abu Dhabi, UAE
- Planning and design 900m Artificial sandy beach with necessary protection works- Project: Marsa Jaded Riviera Heights at AQABA-Jordan- Main consultant: DORSCHÉ, Abu Dhabi.
- Planning and design a jetty with 4 berths for cruise yachts at at AQABA-Jordan- Main consultant: DORSCHÉ, Abu Dhabi.

EGYPT



- Artificial beach with necessary shore protection system- MARASI Resort/Hotels- North Coast
- Dredging and rehabilitation of Petrobel berth- Suez Gulf
- Planning and Design of Touristic Terminal- West Port Said, SCZone
- Shore protection of Raselbar and Gamasa drain outlet- SPA
- Design and project management for oil products berth- EXXONMOBIL
- Design of a Nile River Cruise berth, MOA
- Design of logistic harbor for Gas platforms- Med. Sea, Leith Maritime, Denmark
- Detailed design for Gantry crane rail/foundation system, Damietta Port
- Design of nearshore sea intake, SWRO Plant, Alamien, North Coast
- Design of nearshore sea intake, SWRO Plant, Dabaa, North Coast
- Design of Port Said International Marina
- Design and supervise a Passenger ferry berth, Hurghada Port, Red Sea
- Design and Supervise Yachts Jetty, HILTON, Taba, Aqaba Gulf, RED SEA
- Studies for Al-Ariesh Port Dredging, Chp Company
- Studies, testing, and Rehabilitation of Ships repair DRY DOCK, Suez Canal Arsenal, Port-Said.
- Detailed design for new berth and access jetty for a New floating dock, PORTSAID Shipyard, Suez Canal Authority.
- Planning and design of 15 emergency boats ramps along Suez Cana. Suez Canal Authority
- Design of shore protection works for an island in Timsah lake for Marina construction, Ismailia, Suez Canal Authority.
- Rehabilitation and development of chemical tanks farm, Adabiya Port, Suez Ports Authority.
- Planning, design, and supervision of PortSaid Marina, Portsaid, Suez Canal Authority.
- Design of two floating bridges across the Suez Canal for Suez Canal Authority.
- Planning, design, and supervision of Port-Tawfik Marina, Suez , Suez Canal Authority.
- Planning, design, and supervision of Boats Marina, Al-Fayroz , Ismailia, Suez Canal Authority.

QATAR



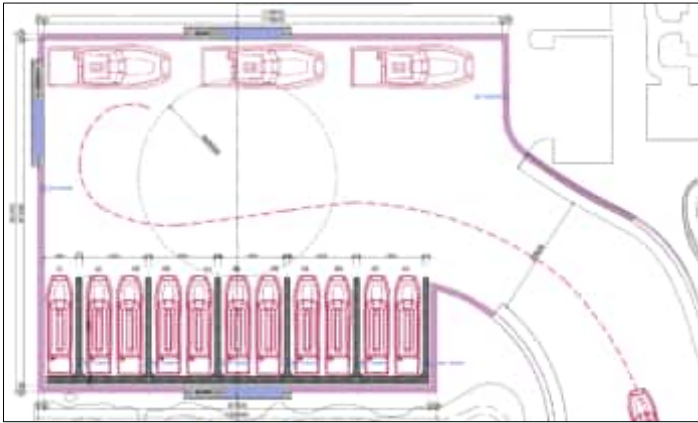
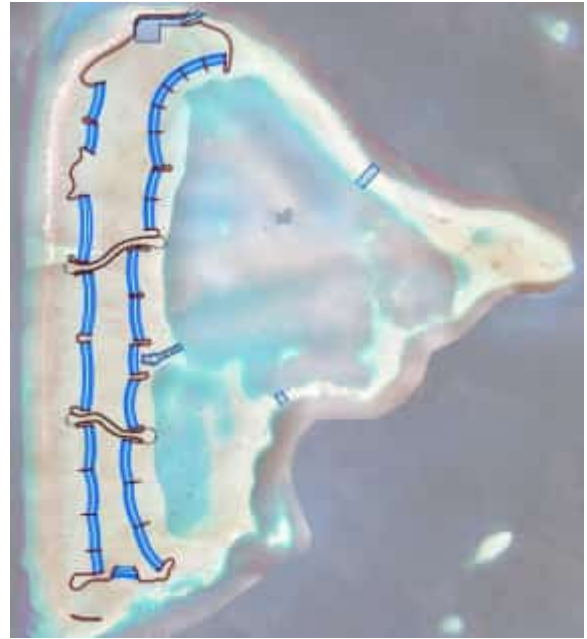
- Studies and Detailed design for KATARA Private beach, Sea Works Company.
- Detailed Design and Construction document for Milaha Ship repair Yard- UCC Holding Co.
- Design Review and Value engineering for LUSAIL Sewage Treatment Plant, MPW.
- Studies and Detailed design for KATARA-hotel shore protection, Coastal solutions Company.
- Studies and detailed design for navigation aids towers and its foundation, EPIC contractor UCC, Qatar Energy, Ras Laffan Port
- Study, design, and construction document for a berth in Maldives- UCC Holding Co.
- VVIP Private protected beach, breakwaters, and dredged navigation channel- North Doha, EPIC Contractor UCC.
- Study stability and safety of existing berth under new dredging works, necessary slope protection. EPIC contractor UCC holding, Milaha Shipyard.
- Investigate and analysis root reasons of floating berth damage under storm condition. Ashghal. UCC co., Doha.
- 2nd Phase of VVIP private beach and protection seawall, Detailed design works and technical support for construction.
 - Hydraulic Studies for Siltation/Dredging rates in South Um-ElQasr, IRAQ
 - Design Review of Saraya Bandar Jissah marine Works – Sultanate of Oman
 - Coastal studies for a public beach- Muscat- ECG consultants- Sultanate of Oman
- Development and design all marine works for a new island in Maldives- Client: UCC co., Qatar (Running Project)

Records of our past and running Projects

(Clients's certificates are available upon request)



مشروع: تصميم وتنفيذ أعمال تطوير جزيرة - المالديف
Project: **Design and Build Development works for Rooswood Island- Maldives.**



Project: Design and Build Development works for Rooswood Island- Maldives.

Date: 2024- 2025

Contractor: UCC Holding, QATAR.

Owner: PRIVATE Sector, QATAR.

TRUST Position: Coastal and marine Designer
(from planning to IFC).

Technical Project Brief

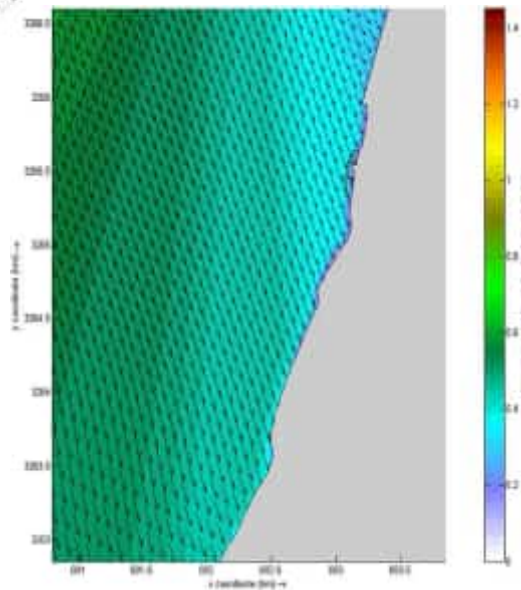
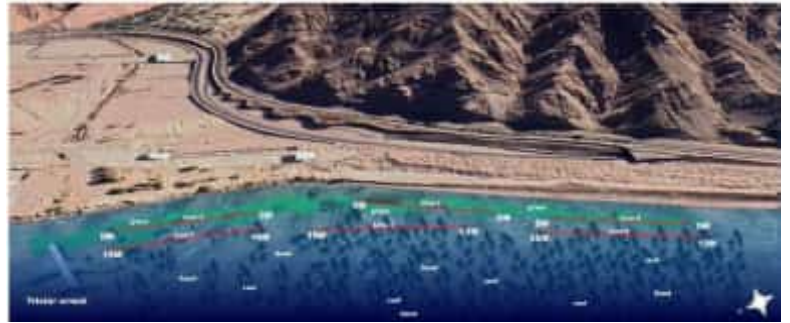
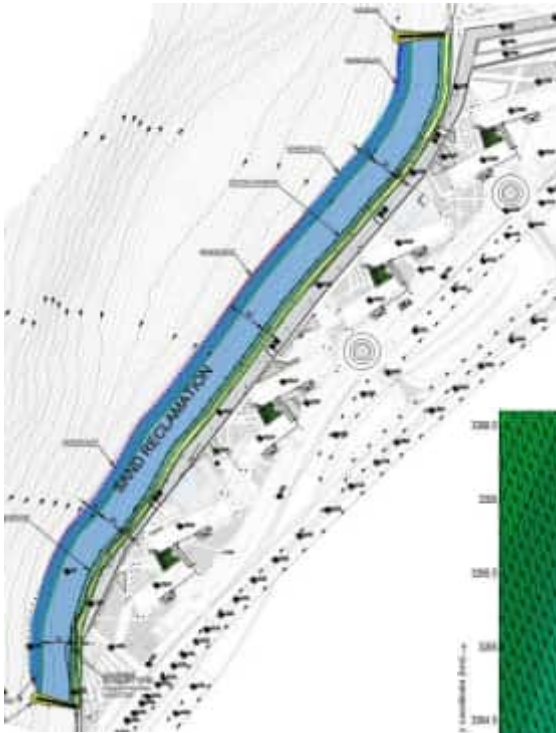
Planning, detailed design and construction of different development works including a new logistic harbor with necessary breakwaters, berths, dredging, AtoN, Apron and crane.

TRUST's SOW

- Marine Planning
- Detailed design
- MEP Works Design.
- IFC document.

مشروع: دراسة وتصميم شاطئ رملي - العقبة - الأردن

Project: Study and design a sandy beach- Aqaba- Jordan



Date: 2025- running

Owner: Marsa Zayed Riviera Heights

Client: ASALI Consulting Co, Aqaba

Site: Aqaba, Jordan

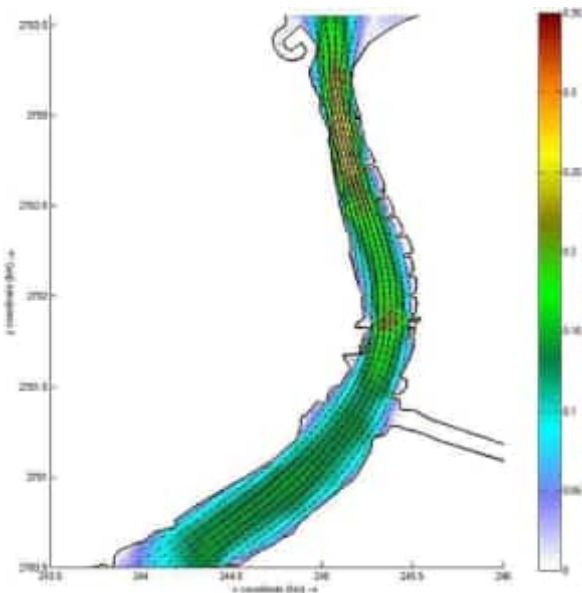
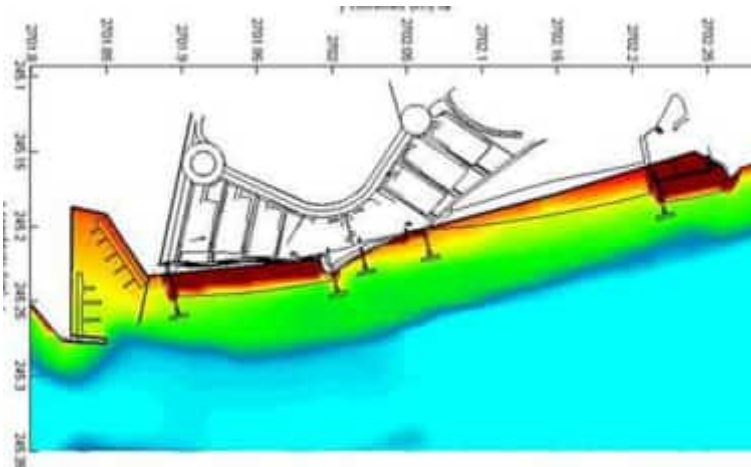
TRUST Position: Marine Engineering Consultant

TRUST's SOW

- Metocean data collection and analysis.
- Hydrodynamic, Waves, and cross shore stability.
- Design of the seaside seawall and artificial swimming pools.
- Design drawings- Technical Specifications- BOQs.

**Project: RITZ CARLTON Beach Hotels
Beach construction, protection, and
private floating berths**

Abu Dhabi, UAE



Date: 2023- Ongoing
Owner: Ritz Carlton
Client: M+N Architects
Site: UAE

Technical Project Brief

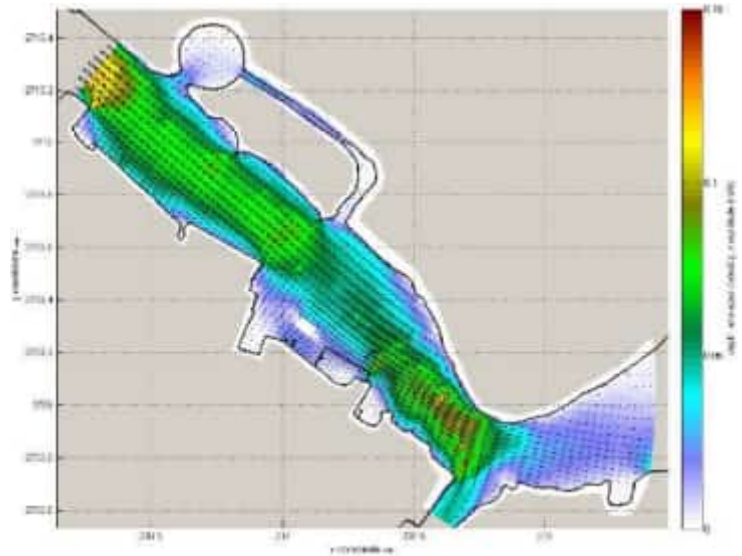
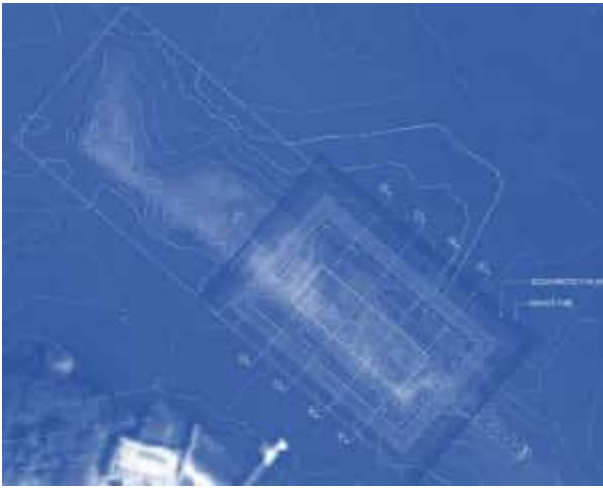
Waves and HD numerical Models, beach stability under waves, nourishment, revetment, and groins. Floating berths.

TRUST's SOW

Studies, modelling and Detailed design document for all the above scope and technical support during execution.

مشروع: حماية وانشاء جزيره
صناعيه وشاطئ رملي- قصر
البحر

أبو ظبي- الإمارات



Project: Construct and protect Island and sandy beach, Abu Dhabi– UAE

Date: 2022

Owner: SEA PALACE

Client: Magellan Marine Construction- UAE

Site: Abu Dhabi, UAE

TRUST Position: Marine consultant

28 salah salim str., teiba bilding

tel. +20663238569 fax. +220663238566

post code; 42111

info@ecc-trust-consulting

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TRUST's SOW

Waves, HD, and sediment transport numerical modelling. Design Aartificial island and Sandy beach with necessary numerical model. Design a submerged revetments and sill for protection. Design drawings, technical specifications, and BOQ.

مشروع: تصميم قاعده خفر
السواحل- الصبيه- الكويت



Project: Coast Guard Base- Subbiyah– Kuwait

Date: 2013- 2014

Site: Subbiyah, KUWAIT

Owner: Coast Guard- Ministry of Interior

Client: Jazzin Qabazard Engineering- Kuwait

TRUST Position: Marine subconsultant

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web: www.ecc-trust-consulting.com

Project Brief

Planning the land and sea sides. It includes all admin , operation and services buildings. Also. It includes Utilities, MEP and land scape. At Sea side, it includes Jetties, dredging, launching ramp, and marina and detail Design of all marine works. Preparing technical specifications and bill of quantity

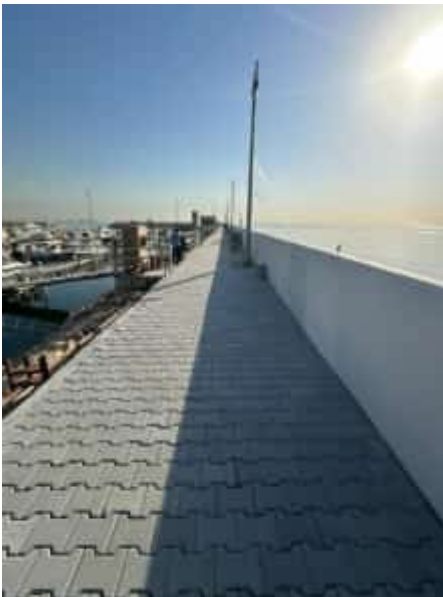
TRUST's SOW

Planning and detail Design of all marine works. Preparing technical specifications and bill of quantity



Project: Fahaheel marine club-
Rehabilitation of breakwaters and
walkways.

Kuwait



Date: 2023- 2024

Owner: Kuwait Enterprises Company

Client: ElBarrak Construction Company

Site: Fahaheel Marine Club

Technical Project Brief

Demolishing of the Main breakwater crest wall, remove all damaged DOLOSE, Construct a new crest wall, utilities, and design new dolos units for the breakwater rehabilitation.

TRUST's SOW

HD and waves Studies, design the breakwater to estimate the new dolos size, design new crest-wall and utilities. Technical support during construction.

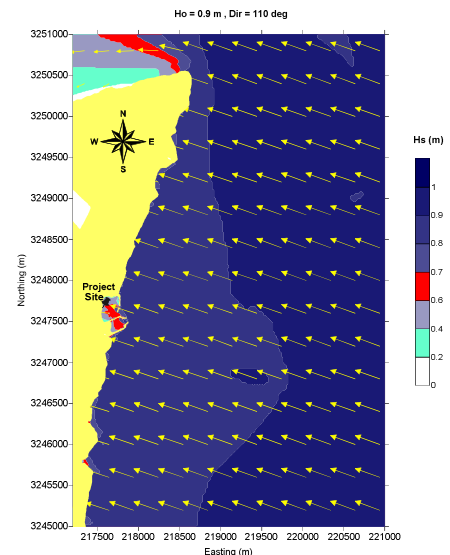


Existing club & marina

مشروع: تصميم مارينا يخوت
الننادى الدبلوماسي- السالمية-
الكويت



New Layout (development works)



Wave Propagation model

Project: Diplomatic Club and Marina- Salimya– Kuwait

Date: 2013- 2015

Owner: Ministry of Foreign affairs- State of Kuwait

Client: SSHi consulting Co- Kuwait

Site: Salmiya, KUWAIT

TRUST Position: Marine Subconsultant

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Project Brief

Develop and modify the existing layout to accommodate more boats, protected swimming zone, sandy beach, and Helipad

TRUST's SOW

Marine Studies, Planning and detail Design for club beaches and upgrading and extension works for the existing marina breakwaters. Preparing tender documents for marine works; drawings, technical specifications, and BOQ

مشروع: نادي راس الأرض
الكويت

شبكة المشروعات السياحية
Touristic Enterprises Company



Project: Diplomatic Club and Marina- Salimiya- Kuwait

Date: 2021- Ongoing

Owner: Kuwait Enterprises Company

Client: Albarrak Marine contractor

Site: Salmiya, KUWAIT

TRUST Position: Marine consultant

28 salah salim str., teiba bilding

tel. +20663238569 fax. +220663238566

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info@ecc-trust-consulting

ecc.trust@gmail.com

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Project Brief

Extend the eastern breakwater with necessary rehabilitation works, rehabilitation of Western breakwaters, and construct a sandy beach with necessary protection at its toe.

TRUST's SOW

Marine Studies, Planning and detail Design for the club beach. Design of the breakwaters works. Prepare design and shop drawings, technical specs and method statements.



مشروع: تصميم حائط بحري لحماية
مستشفى الولادة الجديد- الكويت



SSH International
اس اس اس انترناشيونال



Project: New Maternity Hospital, Kuwait

Date: 2017- 2018

Client: SSHi Consulting Company (Kuwait)- IMPRESA
PIZZAROTTI (Italy)

Owner: Ministry Of Health- Kuwait

TRUST Position: Marine Subconsultant

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info@ecc-trust-consulting

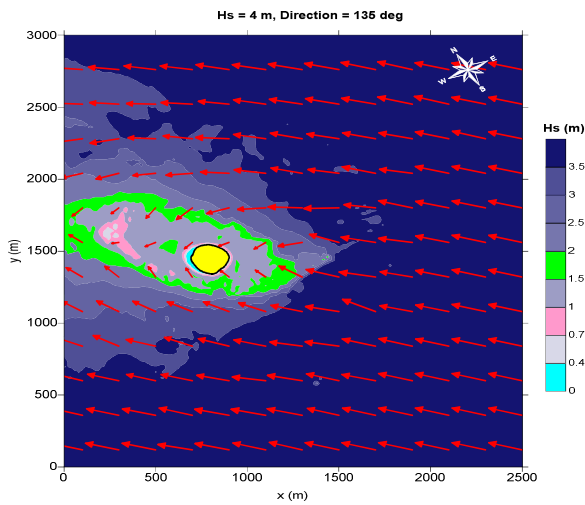
ecc.trust@gmail.com

web: www.ecc-trust-consulting.com

TRUST's SOW

Marine Numerical modelling; HD and Waves.
Detailed design of a seawall, drawings, technical
specifications, and BOQ.

مشروع: تصميم قاعده خفر السواحل- جزيرة قاروه الكويت



Project: Coast Guard Base- Qarouh Island-

Kuwait

Date: 2023-2014

Owner: Coast Guard- Ministry of Interior

Client: F&M consulting Co.- Kuwait

Site: Subbiyah, KUWAIT

TRUST Position: Marine Subconsultant

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Project Brief

Demolish existing facilities, shore protection, construct a new jetty with fixed and floating berths

TRUST's SOW

Marine Studies, Planning and detail Design of all marine works. Preparing technical specifications and bill of quantity



مشروع: دراسة وتصميم حماية
الواجهة البحرية لمنتزه الخيران
السياحي
الكويت



New Protection Works



Old damaged protection works

Project: Study and Design protection of Water front- Khiran Park- Kuwait

Date: 2016

Client: URC Company- Kuwait

Owner: URC Company- Kuwait

TRUST Position: Main Consultant

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tel. +20663238569 fax. +220663238566

post code; 42111

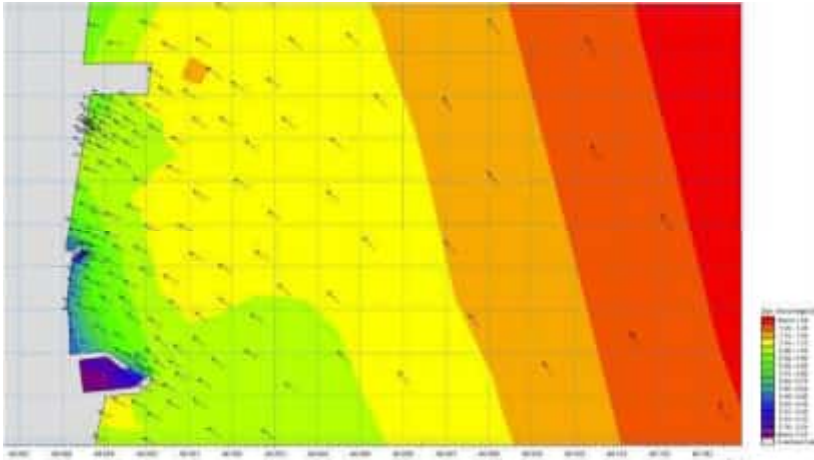
info@ecc-trust-consulting

ecc.trust@gmail.com

web: www.ecc-trust-consulting.com

TRUST's SOW

Site inspection, Marine studies, detailed design for a new seawall, tender package, and supervision.



مشروع: حماية الواجهة
البحرية لفيلا خاصة

الكويت



Project: Sea frond protection, Salwa– Kuwait

Date: 2021- Ongoing

Owner: Confidential

Client: KEO Consulting Company- UAE

Site: Salwa, KUWAIT

TRUST Position: Marine consultant

28 salah salim str., teiba bilding

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info@ecc-trust-consulting

ecc.trust@gmail.com

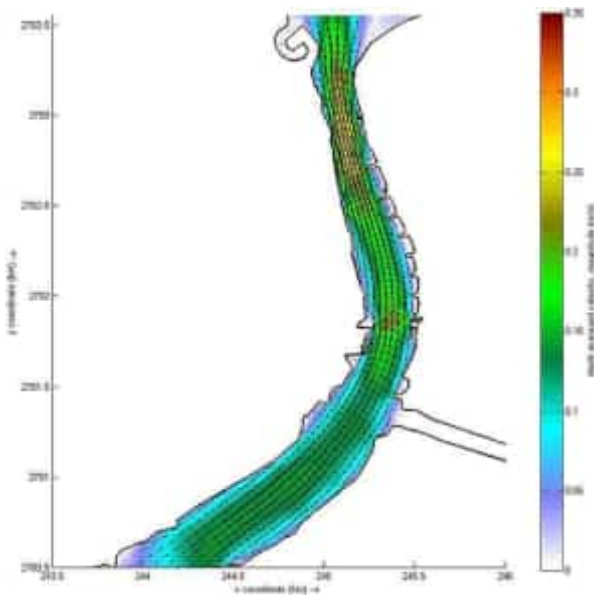
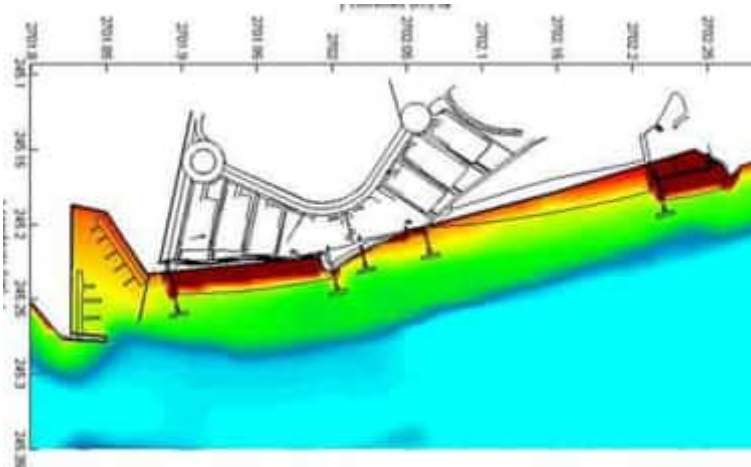
web: www.ecc-trust-consulting.com

TRUST's SOW

Marine Studies, Numerical modelling, Planning and detail Design for a shore protection system. Design drawings, technical specifications, BOQ, and cost estimation.

**Project: RITZ CARLTON Beach Hotels
Beach construction, protection, and
private floating berths**

Abu Dhabi, UAE



Date: 2023- Ongoing
Owner: Ritz Carlton
Client: M+N Architects
Site: UAE

Technical Project Brief

Waves and HD numerical Models, beach stability under waves, nourishment, revetment, and groins. Floating berths.

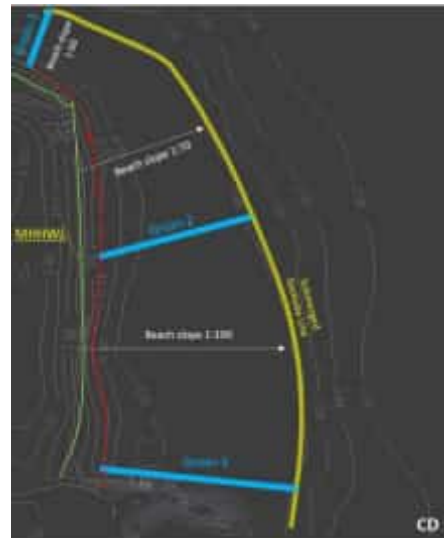
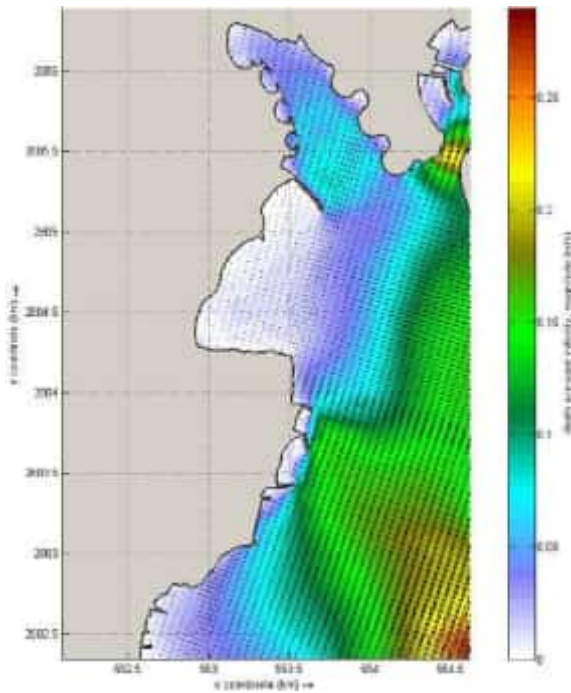
TRUST's SOW

Studies, modelling and Detailed design document for all the above scope and technical support during execution.

مشروع: حماية وانشاء شاطئ
رملي- منطقة كتارا

قطر

KATARA Beach protection



Project: Construct and protect a sandy beach, KATARA– Qatar

Date: 2021

Owner: KATARA Administration

Client: SEA WORKS Company- Qatar

Site: KATARA, Qatar

TRUST Position: Marine consultant

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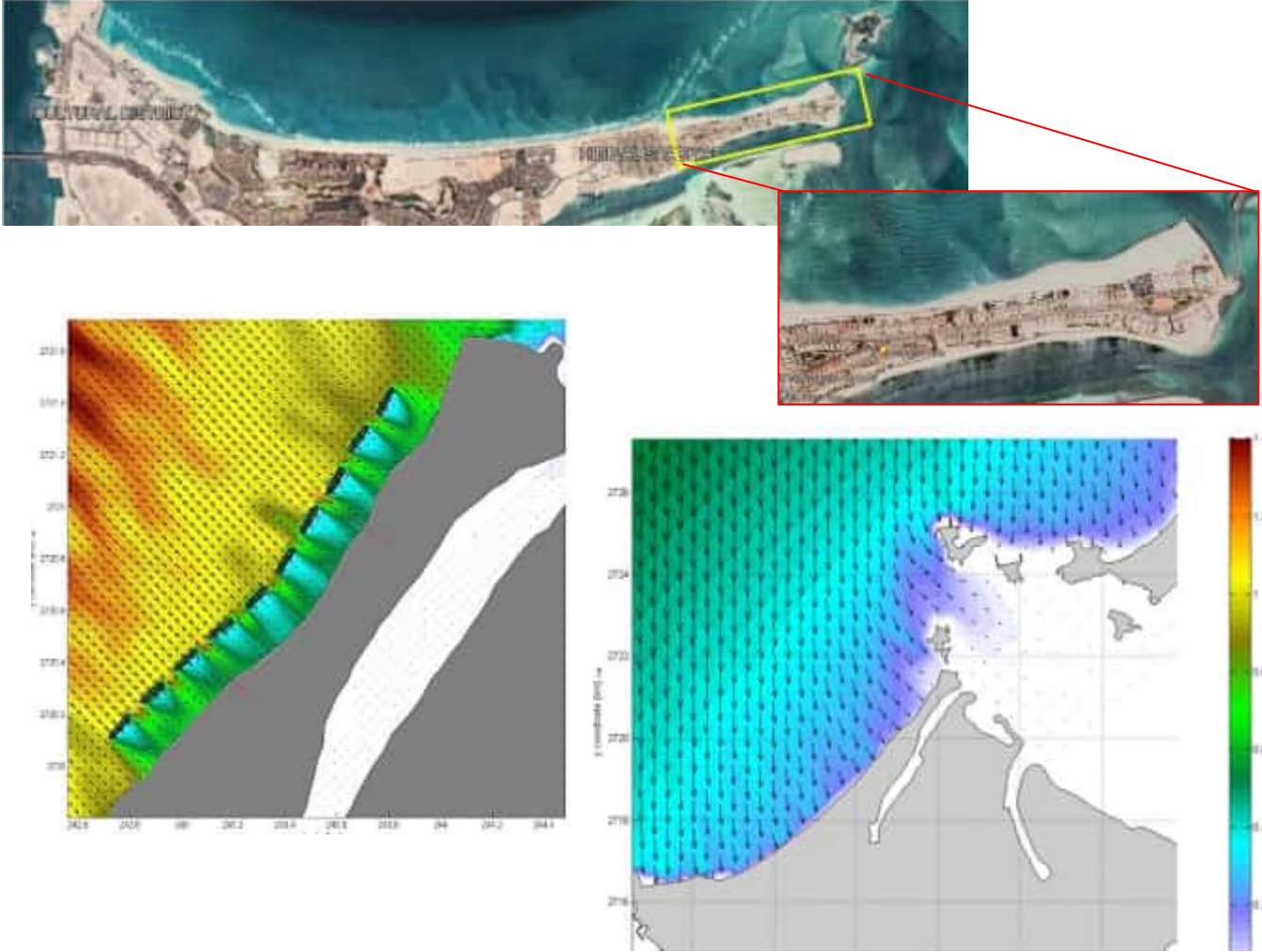
web: www.ecc-trust-consulting.com

TRUST's SOW

Waves, HD, and sediment transport numerical modelling. Design a Sandy beach with necessary numerical model. Design a submerged breakwater for protection. Design drawings, technical specifications, and BOQ.

مشروع: دراسة وتصميم تطوير وحماية شاطئ
السعديات الجنوب-شرقي

Project: Study and design beach development and protection- AlSadiyat Island, Abu Dhabi- UAE



Project: Study and design beach development and protection

Location: AlSadiyat Island, Abu Dhabi- UAE

Date: 2024- Ongoing

Owner: Development and Touristic investment Co.

Client: DORSCHER Gruppe, Abu Dhabi- UAE

Site: State of Qatar

TRUST Position: Marine Subconsultant

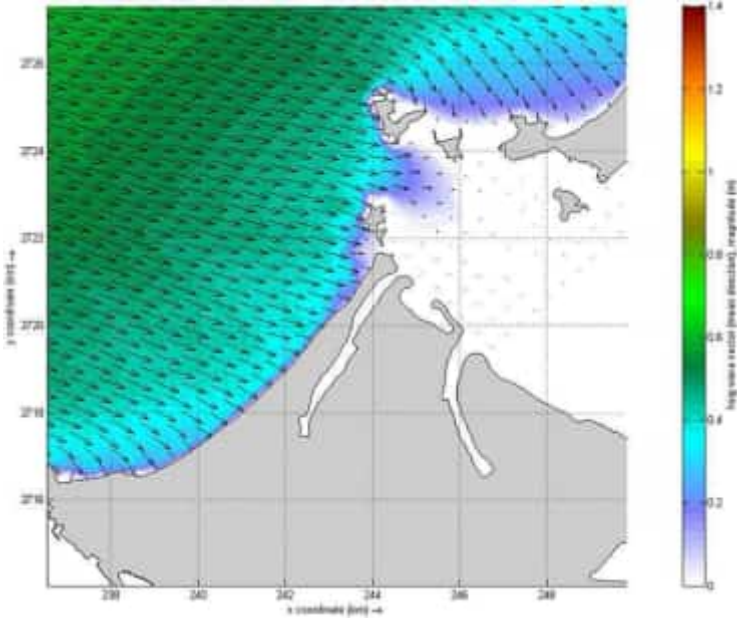
Technical Project Brief

Studies of Waves and HD numerical Models. Stability of beach under storm conditions, propose, study and design necessary beach protection structures.

Prepare tender document.

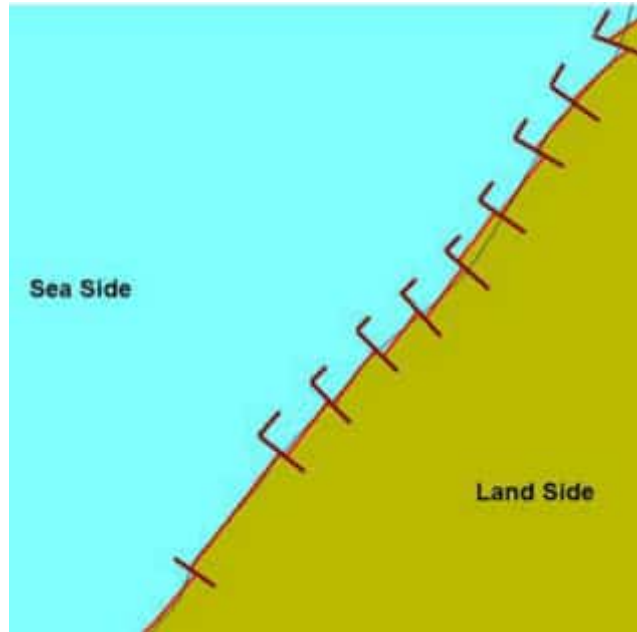
TRUST's SOW

MARINE data collection, modelling, design works, cost estimation, and execution supervision.



مشروع: دراسة وتصميم أعمال حماية شاطئ جزيرة السعديات – أبوظبي

Project: Studies and Design of shore protection works for Saadiyat Island, Abu Dhabi



Project: Studies and Design of shore protection works for Saadiyat Island, Abu Dhabi, UAE

Date: 2023- Ongoing

Owner: Sadiyat development Company

Client: DORSCH Company

TRUST Position: The designer/consultant

Technical Project Brief

1100 m beach needs to be protected against erosion and retreat the lost Sandy beach.

Different Numerical modelling has been done.

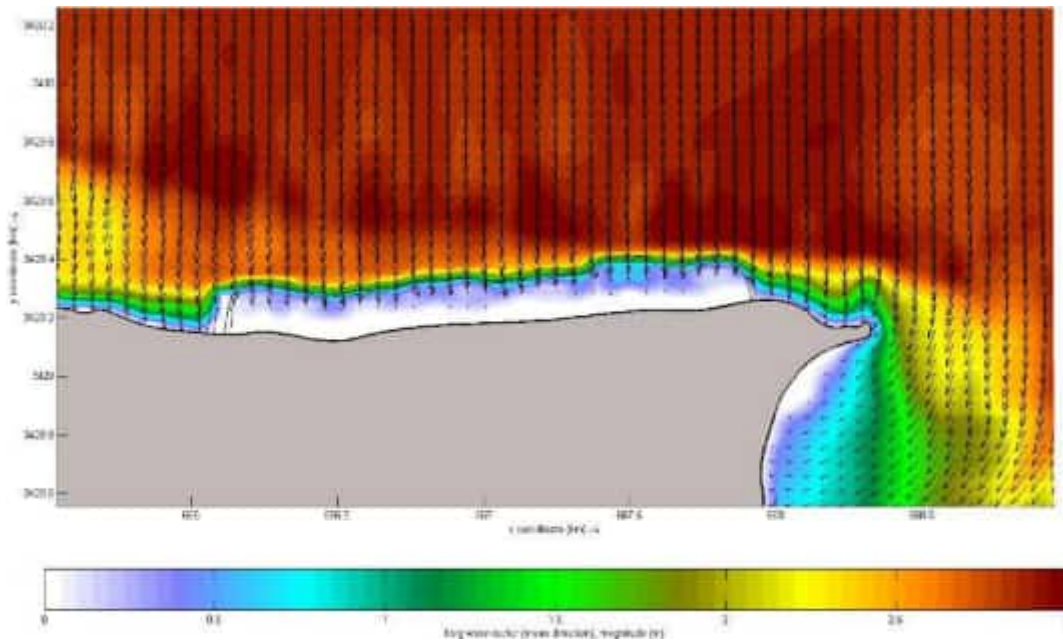
Two alternate protection systems; Groins and detached breakwaters are evaluated technically and financially.

TRUST's SOW

Full Studies, modelling, Detailed design document, technical specifications. IFC drawings.



مشروع: منتجع مراسي اعمار مصر



Project: Study constructing artificial beach with necessary shore protection system- MARASI Resort/Hotels, North Coast, EGYPT

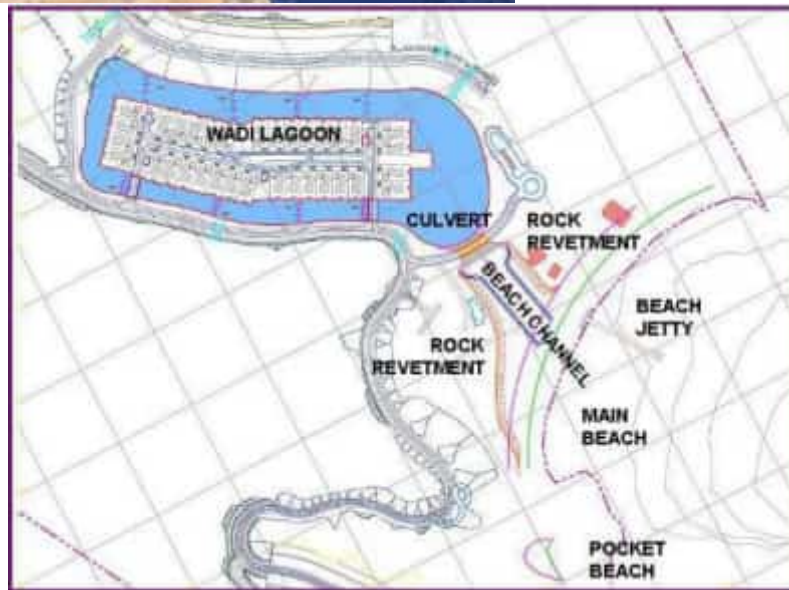
Date: 2020- On going
Client: EMAAR Misr
Estimated Cost: 25 M\$
TRUST Position: Marine Consultant office
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info@ecc-trust-consulting
ecc.trust@gmail.com
web: www.ecc-trust-consulting.com

TRUST's SOW:

Review Field investigation and data collection report, Planning of the beach and its protection system, Different Numerical modelling studies; waves, currents, and sediment transport, Design of tidal canal to feed the internal lagoon, Cost estimation and tender document, and Coordination with EIA consultant.



مشروع: بندر سرايا جصه-
سلطنة عمان



Project: Saraya Bandar Jissah – Sultanate of Oman

Date: 2012

Site: 10km south-east of Muscat, KUWAIT

Client: Investor in Jordan- PROJACS –KUWAIT for project management

Marine Consultant: Halcrow

TRUST Position: Marine and Hydrology Design review & Value Engineering specialist

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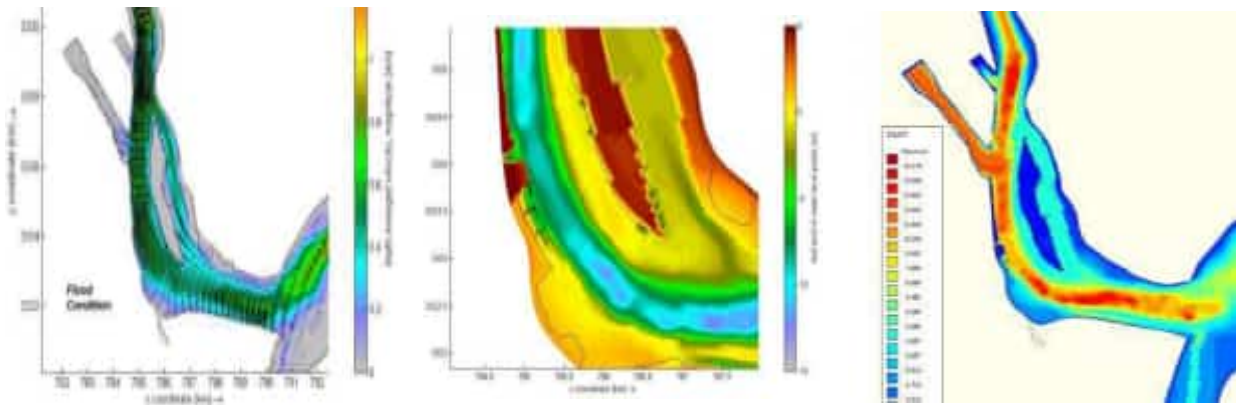
TRUST's SOW

Review Marine works and surface water flow modelling and submit proposals for different items to reduce the project estimated cost as part of the value engineering.



مشروع: دراسة معدلات الترسيب
(الاطماء) والتكريك لقاعده حرس
السواحل- العراق

GULF DREDGING
شركة الخليج للتدريج والبناء العامة والبنية التحتية العامة
Gulf Dredging & General Contracting Co. KSC (Kuwait)

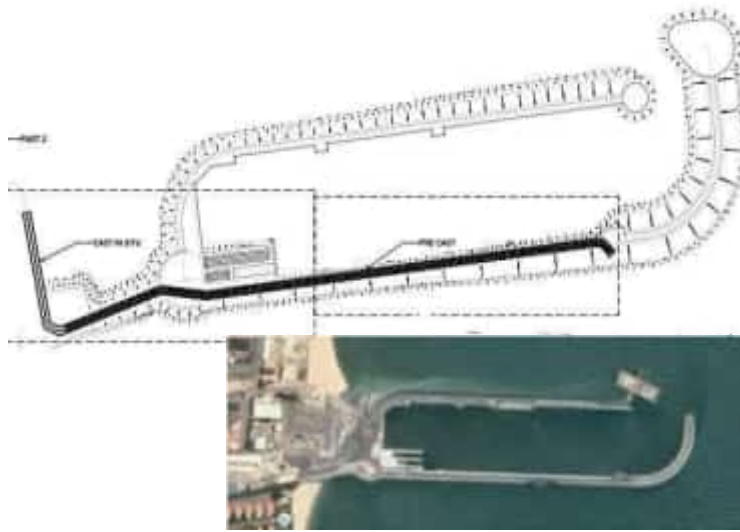


Project: Study Siltation/Dredging rates in South Um-ElQasr, KUWAIT

Date: 2019
Owner: Iraq Ports Authority
Client: Gulf Dredging Company; Kuwait
TRUST Position: Designer
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TRUST's SOW:

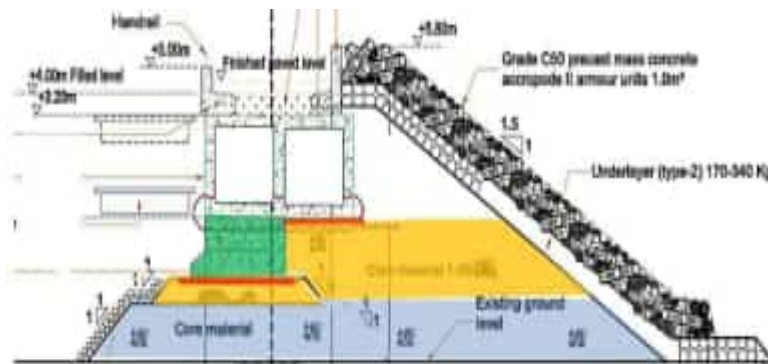
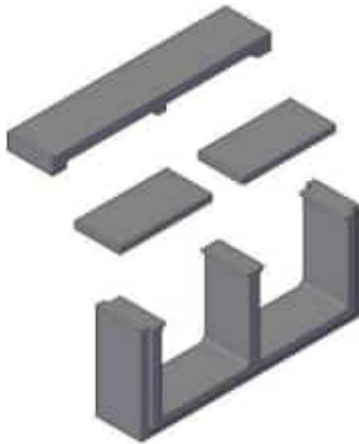
Analysis field data
Setup and run HD and Sediment transport models
Submit a comprehensive technical report and discuss with US Corps of Engineers till get approval..



مشروع: انشاء مارينا الحرس الوطني- الكويت



中国港湾工程有限责任公司
China Harbor Engineering Co., Ltd.



Project: Construction of the National Guard's marina- Kuwait

Date: 2018- 2019

Owner: National Guard, Kuwait

Client: China Harbor Company

TRUST's role: Marine design office

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Project Brief

The project includes breakwaters, storm culvert, quaywall, slipway, dredging, MEP works, ..etc.

TRUST's SOW

Planning an alternate culvert for the existing old one, Full Hydraulic and structural design, Shop Drawings, and Design of formworks.



مشروع: تصميم وتطوير ميناء
بورسعيد السياحي- الهيئة العامة
للمنطقة الاقتصادية لقناة السويس

SCZone
Suez Canal Economic Zone



Project: Planning and Design of Touristic Terminal- West Port

Date: 2016- 2017

Client: Suez Canal economic Zone Authority

Port Said Ports- Egypt

Site: Suez Canal- Portsaid

TRUST Position: Main Consultant

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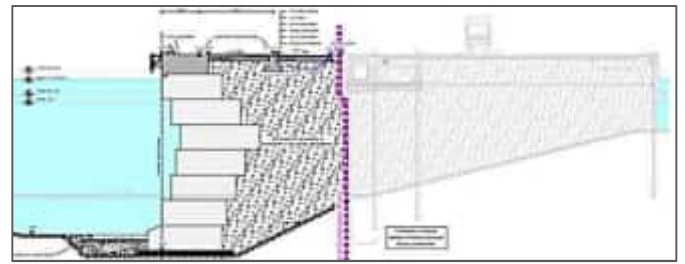
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TRUST's SOW

Data collection, Field studies, and General Planning for the terminal; overall length 1350 m, Design all marine works including 800 m length berth to accommodate 2nd world biggest cruise ship, Architectural, structural, and utilities design for the land side service area, and Preparing Tender document.

مشروع: تأهيل ارصفه من 1 الى 7 – ميناء الشويخ -الكويت

Rehabilitation of Berth 1 to 7 Shuwaikh Port, Kuwait



Date: 2023- Ongoing
Owner: Kuwait Ports Authority
Client: Hyundai Engineering &Construction JV Gulf
Dredging Company
Site: Shuwaikh, Kuwait
TRUST Position: Design Reviewer office

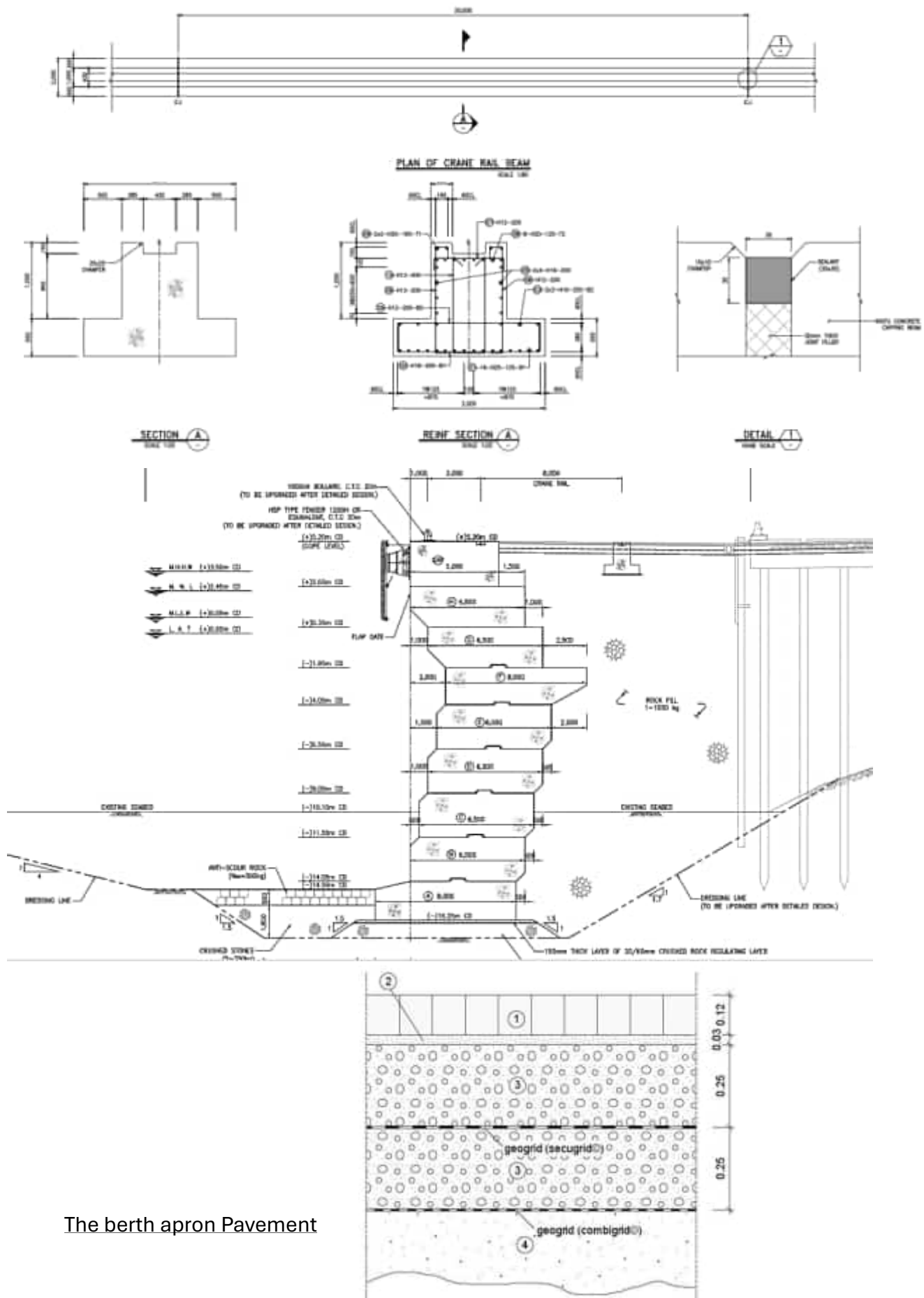
Technical Project Brief

Demolishing the existing commercial berths from 1-7 and constructing 1200m new berths with a deeper water depth of 14.5m. It also includes service boats marina. The Apron areas and service roads shall be demolished and renewed.

TRUST's SOW

The project's Design reviewer and issuer of IFC drawings.

Design of pavement works.



The berth apron Pavement

Sever Deterioration



Rehabilitation Works



Project: Demolition and Reconstruct Commercial Berths-
Doha Harbor, Kuwait

مشروع: هدم واعادة تصميم وبناء أرصفة ميناء الدوحة التجاري-
الكويت



Completion of Rehabilitation



Project: Doha Port- Doha– Kuwait

Date: 2013-2015

Client: Kuwait Ports Authority

Site: Doha, KUWAIT

TRUST Position: Main consultant

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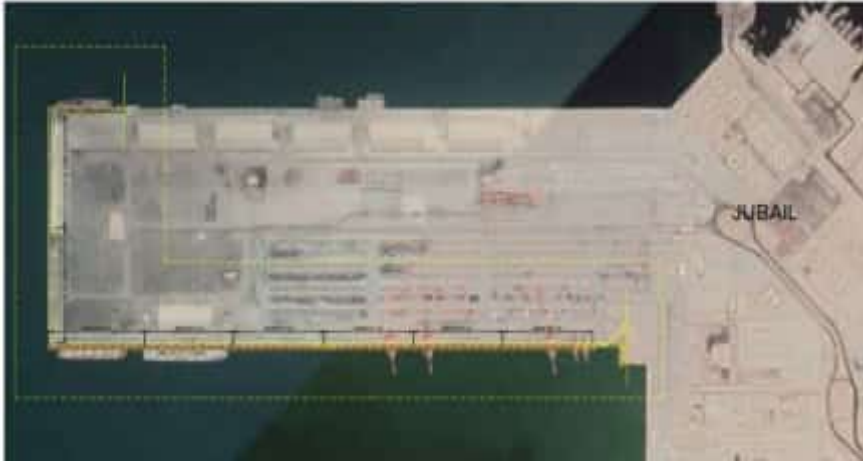
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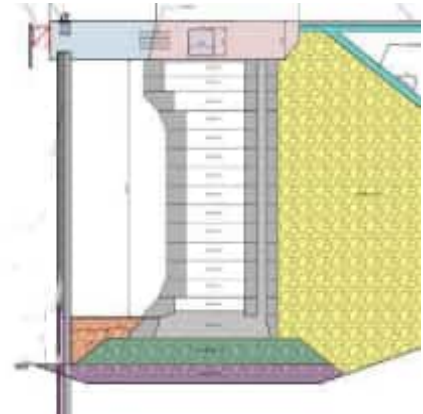
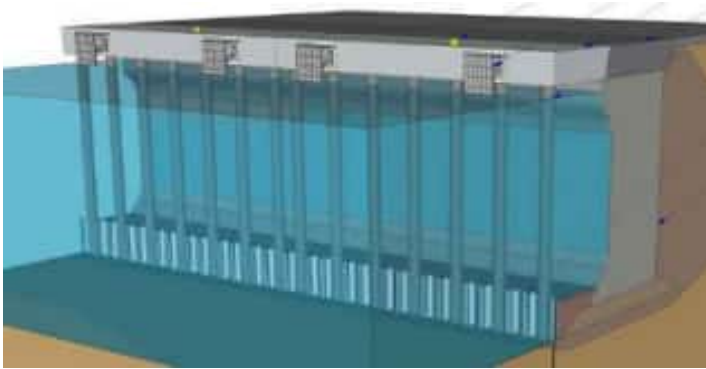
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TRUST's SOW

Repair, rehabilitation and upgrading works for all the wharfs and piers including; Design Deck slabs, Piles, and Fender System and continuous technical Support for the contractor during construction. In addition to Supervision.



تعميق ميناء مشروع:
الجبيل التجاري وتطوير
الأرصفه - السعوديه



Project: Deepening Jubail commercial port-and structural development for its berths- Jubail, KSA

Date: 2019

Owner: Saudi Ports Authority

Client: DEC engineering office, KSA

Estimated Cost: 130 M\$

TRUST Position: Marine Consultant

Project Brief

Design new berths of about 1650m with water depth 17.0m, dredging, and reclamation . It includes new gantry crane rails foundation and apron area pavement.

TRUST's SOW

Site investigation; Geotechnical and Bathymetry survey works, Feasibility Study for dredging works, berths, structural development, and the existing containers Gantry crane operations.

It includes also; Preliminary Design works, Detailed Design Works, and Tender document



مشروع: تكرييك لتعميق
ميناء ينبع التجاريه - السعوديه



Project: Dredging for Deepening Yanbu commercial port, KSA

Date: 2019- 2020

Owner: Saudi Ports Authority

Client: DEC engineering office, KSA

Estimated Cost: 55 M\$

TRUST Position: Marine Consultant

Project Brief

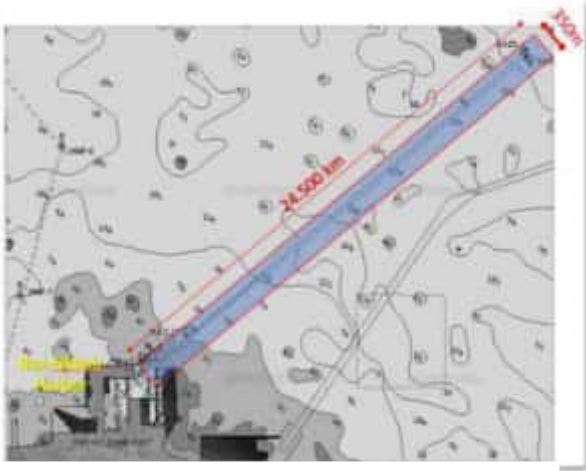
Dredging navigation channel, access channel, turning basin, management of dredged material.

TRUST's SOW

Field investigation; Geotechnical and Bathymetry survey, works Feasibility Study for dredging works and reclamation alternatives, Preliminary Design works, Detailed Design Works, and Tender document



مشروع: توسعة وعميق حوض ميناء رأس الخير والقناة الملاحيه – المنطقه الشرقيه- هيئة الموانئ السعوديه
Project: Expanding and deepening Ras Elkhair basin and its navigation channel- Ras Elkhair port- Mawani- KSA



Date: 2024

Client: MAWANI-KSA

Site: Ras ELKhair Port, Arabian Gulf

TRUST Position: Marine Consultant

Technical Project Brief

The navigation channel is about 24.0km. Its width shall be developed to 350.0m and water depth to 18.0m, to allow post-PANAMAX ships to navigate in both directions. The turning basin shall be developed at the same dredged level.

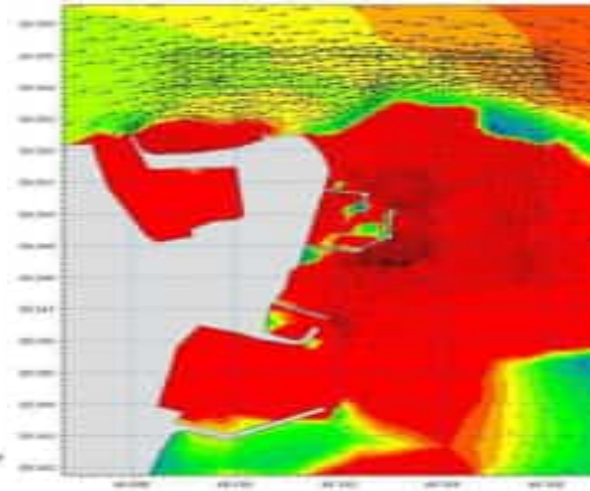
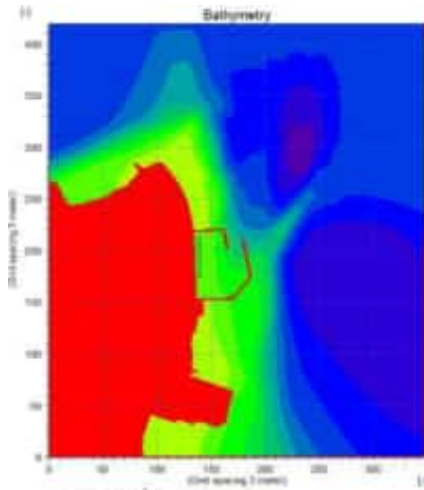
TRUST's SOW

Full Site investigation, metocean data collection, numerical HD and waves models, Ships navigation and maneuvering Model, Design dredging works, tender package (Dwgs, BOQs, Technical Specifications).



مشروع: دراسة موقع قاعدة بحرية للدعم اللوجيستي- الجيش الكويتي / الامريكي الكويت

توا كورپوريشن
TOA CORPORATION



Project: Site studies and conceptual Design of Logistic Naval Base harbor- USA Corps of Engineers- KUWAIT

Date: 2017-2018

Client: TOA Corporation (Japan- Middle east office)

Owner: Kuwait Navy/ USArmy- Kuwait

Site: Ras Elard, KUWAIT

TRUST Position: Marine Consultant

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Project Brief

Site studies, conceptual design, and budget estimation

TRUST's SOW

Data collection; Literature data report and review of filed investigation works, initial layout, and Numerical modelling; Waves transformation- Hydrodynamic- Flushing study- Sediment transport



Original Design by other consultant

مشروع: تصميم مارينا يخوت نادي ضباط الشرطة-
الكويت



New planning and design by ECC-TRUST



Project: Marina and Shore recreation facilities

Date: 2011

Client: Ministry of Interior- Kuwait

Site: Abou-Alhasania, Kuwait

TRUST Position: Marine Consultant

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Project Brief

Marina Planning, Floating berths, swimming area and water scape, chalets, fuel station, slipway, helipad, and dredging.

TRUST's SOW

Review and major modification of the Planning and Design for the marine structures. It includes breakwaters, seawalls, launching ramp, floating pontoons, helipad, and reclamation area for villas



مشروع تصميم واشراف عدد اثنين ميناء
لوحدات دعم تصدير البترول - شركة نفط
الكويت-الكويت



Google earth shot for construction



Project: New small vessels Harbours (North and South Harbors)

Date: 2009-2015

Client: Oil Sector- Kuwait

Cost: 300 M\$

Site: Ahmadi- AbuHalifa, KUWAIT

TRUST Position: Marine Specialist: Dr. Sherif Abdellah

Project Brief

Coastal studies, marine planning and design of breakwaters, dredging, berths, shipyard, navigation, MEP, pipelines, Pump stations, and power stations,...landscape.

[Dr. Sherif Abdellah Duties;](#)

Client Technical Representative; Design Review, Value engineering, Design QA/QC, and Project management

مشروع: تأهيل وتطوير قاعدة
الكويت العسكريه



توا كوربوريشن
TOA CORPORATION



Project: Rehabilitation and upgrading of KNB- Kuwait Naval Base marine Base

Date: 2015

Owner: Kuwait Navy/USACE

Client: TOA Corporation

Site: Julaia- Kuwait

TRUST Position: Designer and Design DOR

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Project Brief

Rehabilitation works, demolishing works, construction of new berths, dredging, pavement, harbor house, and full MEP works

TRUST's SOW

Design works for some items, Other Design Review, Technical specifications, repair works, Pavement design, and Navigation study.



مشروع: تأهيل رصيف الشحن
قاعدة الكويت العسكرية- الكويت



Project: Renovation of General Cargo Quaywall- Kuwait Naval Base

Date: 2006

Owner: Kuwait/USA Military Naval Base

Client: Mushrif Construction Co.

Site: State of Kuwait

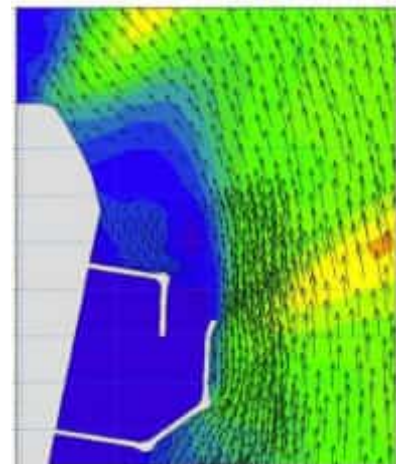
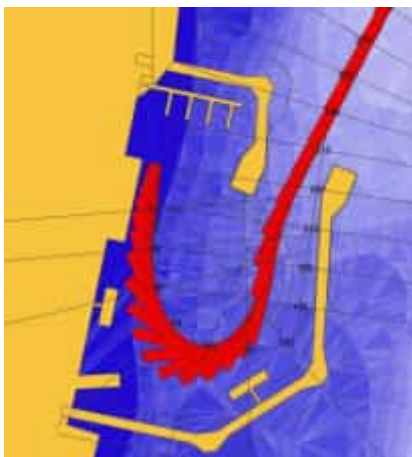
TRUST Position: Design office

Project Brief

Design and build different rehabilitation work for the general cargo berth to accommodate a bigger ship.

TRUST's SOW

Check the quay wall to accommodate a 30,000 ton GC ship. Replace, design, and build a new Fender System and cathodic protection.



Project: Detailed Design of Logistic Naval Base harbor- USA Corps of Engineers- KUWAIT

Date: 2019-2021

Client: TOA Corporation (Japan- Middle east office)

Owner: Kuwait Navy/ USArmy- Kuwait

Site: Ras Elard, KUWAIT

TRUST Position: Design Office & DOR

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Project Brief

Final Design and cost estimation of the logistic harbor seaside works.

TRUST's SOW

Final layout, HD& waves Numerical modelling. Navigation modelling, Breakwaters, berths, and slipway design, Dredging, MEP works, Navigation Aids, and technical specifications.

مشروع: تصميم وانشاء قاعدة تحكم
ومراقبة سفن للأغراض العسكريه
الكويت



توا كوربوريشن
TOA CORPORATION



Project: MTCC marine Base

Date: 2015

Client: TOA Corporation/Kuwait Navy/USACE

Site: Kuwait Bay- Kuwait

TRUST Position: Marine Design review DOR

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Project Brief

Design and build; Site Marine studies and modelling, detailed design, technical specifications, and construction of offshore military base with a service berth.

Trust's SOW

Design Review, Navigation modelling, and design of navigation aids



انشاء ميناء مركز علوم البحار- الكويت



Project: Port of Marine Science Center

Date: 2005-2007

Client: Mushrif Construction Co.

Owner: Kuwait University

Contractor: Burhan Inter. For Contracting. Co.

Site: Funtas, KUWAIT

TRUST Position: Marine Consultant

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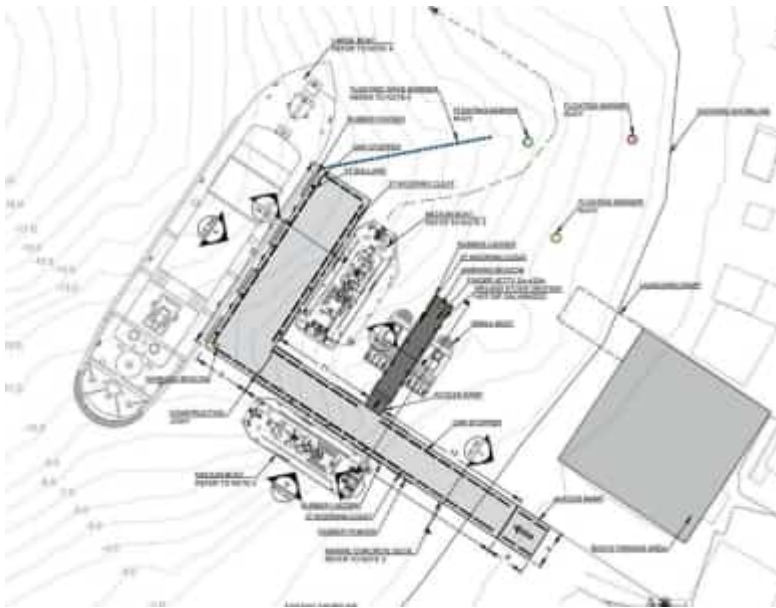
Project Brief

Construction/turn key; breakwater, seawalls, slipway, platform, quay wall, dredging, storm water culvert, piling, and floating marina.

TRUST's SOW

Review, redesign, of temporary and permanent works for the project marine elements. Preparing method statement and work plan. Technical support during execution.

مشروع: دراسة وتصميم شاطئ رملي - العقبة - الأردن
Project: Study and design a sandy beach- Aqaba



Date: 2025- running
Owner: Aqaba Marine Science Station
Client: ASALI Consulting Co, Aqaba
Site: Aqaba, Jordan
TRUST Position: Marine Engineering Consultant

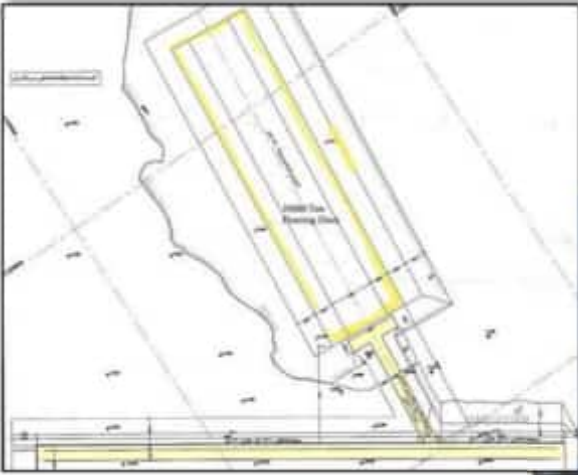
TRUST's SOW

- Metocean data collection and analysis.
- Waves Numerical model.
- Planning of the jetty and its berthing slots.
- Structural design of the platform, trestle and finger jetty.
- Navigation aids and utilities.
- Design of Launching ramp and park area for idle boats.
- Design drawings- Technical Specifications- BOQs.



مشروع: تصميم وتنفيذ رصيف وسقالة للحوض العائم
الجديد 35 ألف طن بترسانة بورسعيد

Project: Design and Build a berth and Jetty for a new Floating Dock 35,000 Ton and its mooring Spuds - PortSaid Shipyard, SCA, EGYPT



Project: Design and Build a berth and Jetty for a new Floating Dock 35,000 Ton and its mooring Spuds - PortSaid Shipyard, SCA, EGYPT

Date: 2023- Ongoing

Owner: Suez Canal Authority

Client: PortSaid Shipyard

Site: PortSaid, EGYPT

TRUST Position: The contractor's designer/consultant

Technical Project Brief

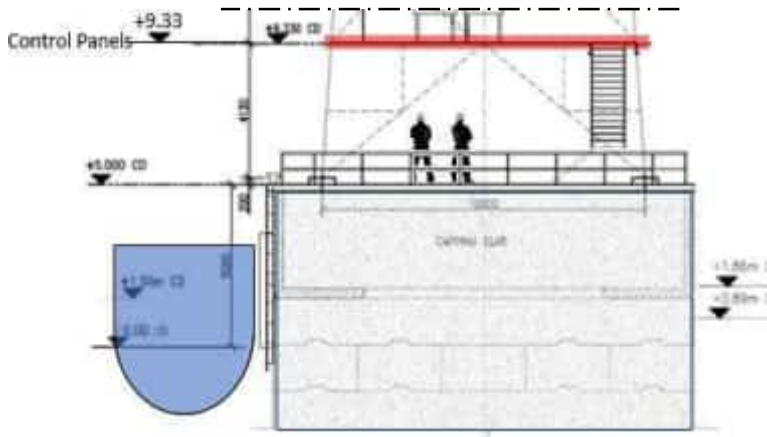
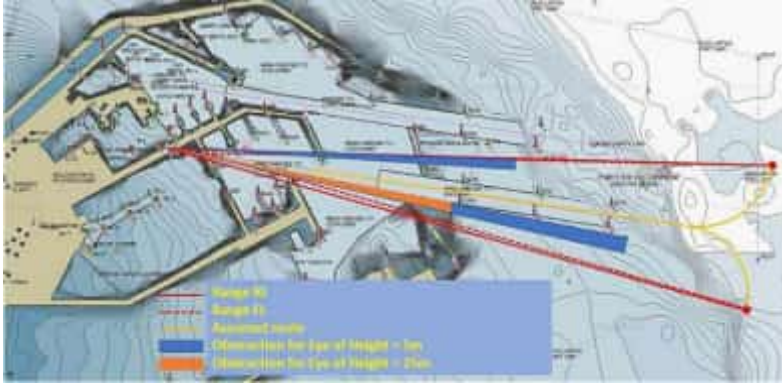
400 m berth with 13m water depth, 100m Jetty, and 3.0 Dia Mooring Spuds for the new 35,000 ton floating Dock.

TRUST's SOW

Full Detailed design document for all the above scope and technical support during execution.

مشروع: تصميم وتنفيذ أبراج المساعدات الملاحيه
الجديده بميناء راس لفان

Project: Design and Build the new Navigation
Leading Lights Towers for Ras Laffan Port



Project: New Navigation Leading Towers Project – Ras Laffan, Qatar Energy, Qatar

Date: 2023- Ongoing
Owner: Qatar Energy
Client: UCC Construction Holding Company
Site: State of Qatar
TRUST Position: Design office

Technical Project Brief

Waves and HD numerical Models, Leading lights design, Design of Revetment and Front and Rear Piers, and Design of 60.0m and 40.0m lace steel towers, Navigation Aids, and underwater power cables.

TRUST's SOW

Detailed design document for all the above scope and also technical support during execution.



مشروع: تصميم وتنفيذ مارينا يخوت - الفيروز بالاسماعيليه

**Project: Design and Build Alfayroz Marina,
Ismailia, SCA, EGYPT**



Project: Design and Build Alfayroz Marina, SCA, EGYPT

Date: 2024- Ongoing

Contractor: Canal for Harbors and great projects Co.

Owner: Suez Canal Authority

TRUST Position: The contractor's designer/supervision consultant

Technical Project Brief

102 boats range from 10m to 50m, with fuel station, dredging works, utilities/services pedestals, navigation

TRUST's SOW

- Marina Planning
- Detailed design
- MEP Works Design.
- Fabrication and installation supervision.



مشروع: تصميم وتنفيذ مارينا يخوت بورسعيد - مصر

**Project: Design and Build PortSaid Marina,
PortSaid, SCA, EGYPT**



**Project: Design and Build PortSaid Marina,
PortSaid, SCA, EGYPT**

Date: 2024- Ongoing

Contractor: Canal for Harbors and great projects Co.

Owner: Suez Canal Authority

TRUST Position: The contractor's designer/supervision consultant

Technical Project Brief

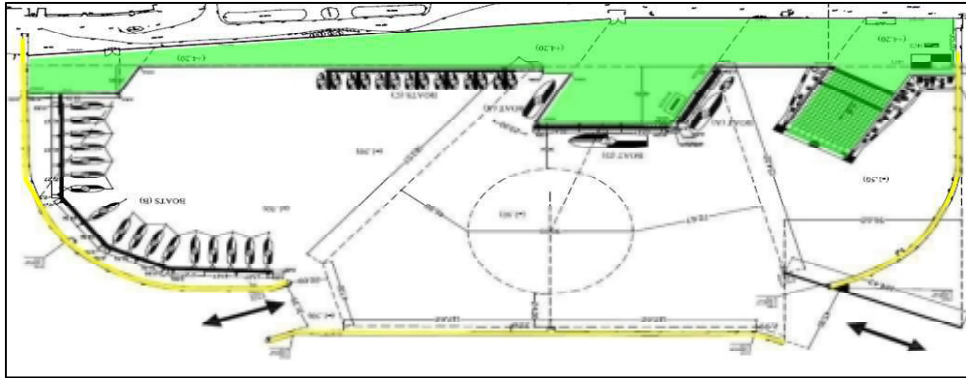
68 boats range from 10m to 35m, with fuel station, dredging works, utilities/services pedestals, navigation

TRUST's SOW

- Marina Planning
- Detailed design
- MEP Works Design.
- Fabrication and installation supervision.



مشروع: تطوير وتصميم قاعده خفر
السواحل-جزيرة فيلكه- الكويت



**Project: Development of Coast Guard Base at
Failaka Island**

Date: 2011

Owner: Ministry of Interior

Client: F&M consulting company-Kuwait

Site: Failaka Island, KUWAIT

TRUST Position: Marine Subonsultant

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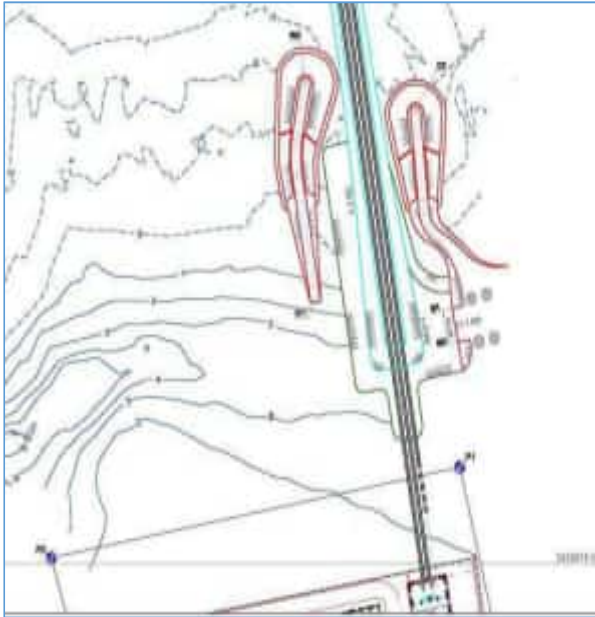
web: www.ecc-trust-consulting.com

Project Brief

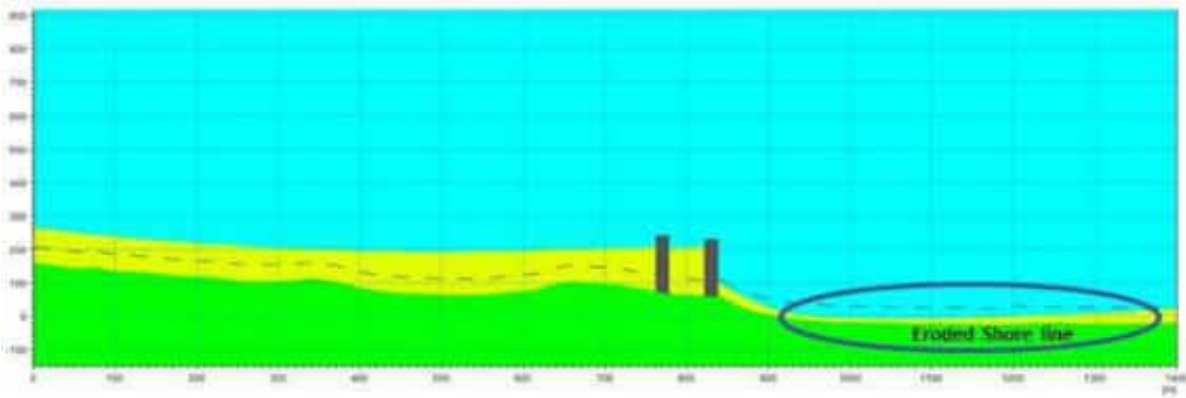
Works include, demolishing, dredging, constructing additional breakwaters, new berths, floating berths, repair of existing breakwaters.

TRUST's SOW

Full Marine studies, planning, detailed design, technical specifications and tender documents



دراسة وتصميم الاعمال المؤقتة لتنفيذ مأخذ محطة
تحلية مياه البحر بالضبعة-مصر



**Project: Design and build of SWRO Station,
West North coast, Dabaa, Egypt**

Date:2017
Owner: MOD-GOVT, EGYPT
Client: EIA-Eccobusiness, EGYPT
Site: Ras eldabaa, EGYPT
TRUST Position: Marine Consultant

Project Brief

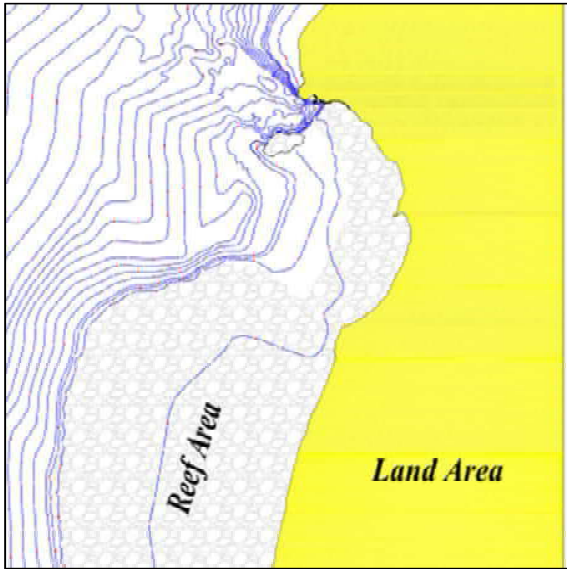
Temporary jetties, dredging, sea intake and outfall pipelines, pumpstation, and SWRO process Plant

TRUST's SOW

Design temporary groins for construction purpose and study its impact on Shoreline stability.



مشروع: تكريك وتطوير رصيف بتروبل بابورديس-
خليج السويس - مصر



**Project: Dredging and rehabilitation of
Petrobel berth- Suez Gulf, EGYPT**

Date: 2020

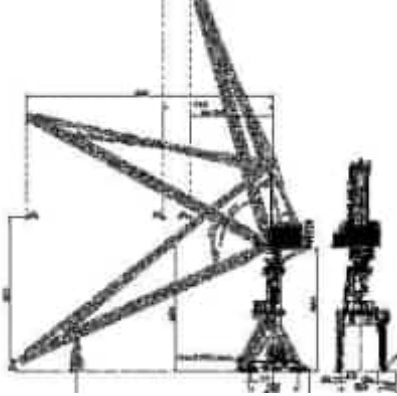
Client: Timsah& Petrobel Companies

TRUST Position: Marine Design Office

TRUST' SOW

Review Field investigation; Geotechnical and Bathymetry survey works, Different Numerical modelling studies; waves, currents, and sediment transport, Dredging Study including dumping alternatives, Study the berth existing conditions and prepare rehabilitation plan, and Coordination with EIA consultant. Prepare full tender document.

مشروع: تصميم اساسات مسار أوناش لشركة
المقاولات المنفذه لمينائي دعم تصدير البترول -
شركة نفط الكويت - الكويت



Project: Detailed design for Jib cranes railway foundation system for STFA contractor Co.

Date: 2015

Client: STFA Construction Co.

Owner: Kuwait Oil Company- Kuwait

Site: Ahmadi- AbuHalifa, Kuwait

TRUST Position: Marine Subconsultant

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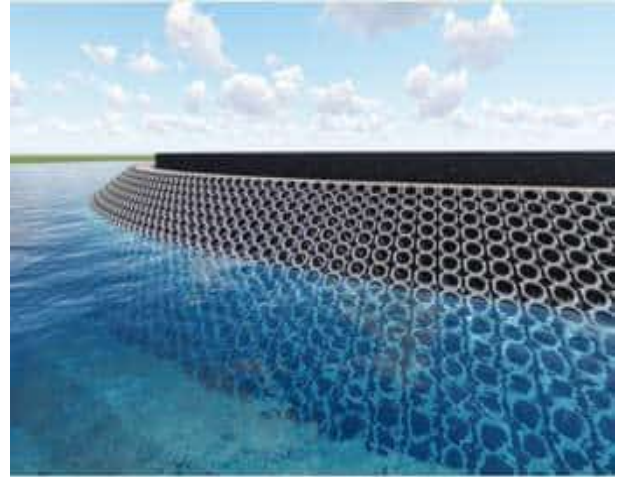
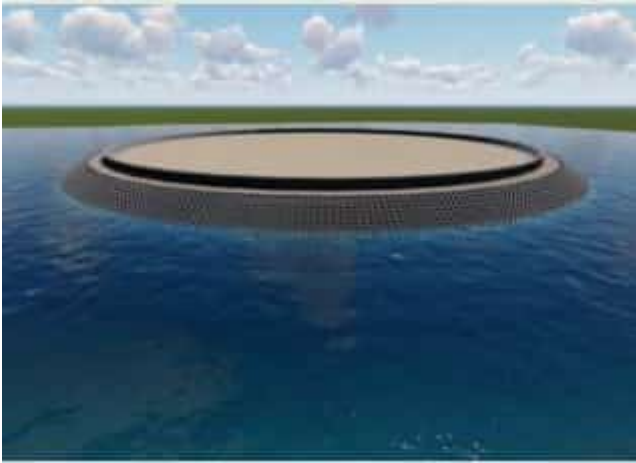
web: www.ecc-trust-consulting.com

TRUST's SOW

Detailed design document for gantry and jib cranes rails foundation.



مشروع: تصميم جزيرة صناعية
ترفيهية وجسر اتصال (جزيرة
العلم) - الكويت



Project: Flag Island & access bridge- Kuwait

Date: 2017

Client: SSHi Consulting Company-Kuwait



Owner Diwan Amiri- Kuwait

Site: Arabian Gulf- Kuwait City

TRUST Position: Marine Subconsultant

web: www.ecc-trust-consulting.com

Project Brief

Design of a new artificial island with the necessary access bridge and Cornish development.

TRUST's SOW

Waves and HD numerical studies, design of the island, shore protection works, and cost estimation.



مشروع: تصميم وانشاء 2 دولفين برسو عبارات
- شركة الكويت للنقل العام- الكويت



Project: Design and build 2 dolphins for ferry boats, KPTC- Kuwait

Date: 2019

Owner: KPTC, Kuwait

Client: BIMAD construction

TRUST Position: Marine consultant

28 salah salim str., teiba bilding

tel. +20663238569 fax. +220663238566

post code; 42111

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web: www.ecc-trust-consulting.com

TRUST's SOW:

Analysis field data

Detailed Design, Technical Specifications, BOQ, accost estimation, and Supervision.



مشروع: تصميم منزل يخوت بميناء الصيد
- الكويت



Project: Launching ramp- Fishing harbor

Date: 2015

Owner: Kuwait agricultural and fisheries authority

Client: Dalal Seagull Contractor

Site: Salmya, Kuwait

TRUST Position: Main consultant

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TRUST's SOW

Demolishing Plan for the old Launching ramp, Design a new ramp, prepare drawings & technical specs, and technical Support for the contractor during construction.

مشروع: اصلاح وترميم المركز الرئيسي لخفر السواحل
الطناس- الكويت



**Project: Rehabilitation of Main Al-Sabah Coast guard
base- Fintas- Kuwait**

Date: 2012

Owner: Ministry of Interior

Client: Arab consultants Office, Kuwait

Site: Fintas, KUWAIT

TRUST Position: Marine Subconsultant

Project Breif

Marine Base: Upgrade, rehabilitation and repair for some marine elements .

TRUST's SOW

Develop the main two slipways to be used for bigger vessels, repair works for some walls and piles and prepare a general maintenance plan and methods for the full marine including tender documents.



مشروع: تصميم قاعده خفر السواحل-
جزيرة وربه- الكويت



**Project: Coast Guard Base- Warba Island-
Kuwait**

Date: 2013- 2015

Owner: Coast Guard- Ministry of Interior - Kuwait

Client: Arab Consultants Bureau-Kuwait

Site: Ahmadi- AbuHalifa, KUWAIT

TRUST Position: Marine Subconsultant

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Project Brief

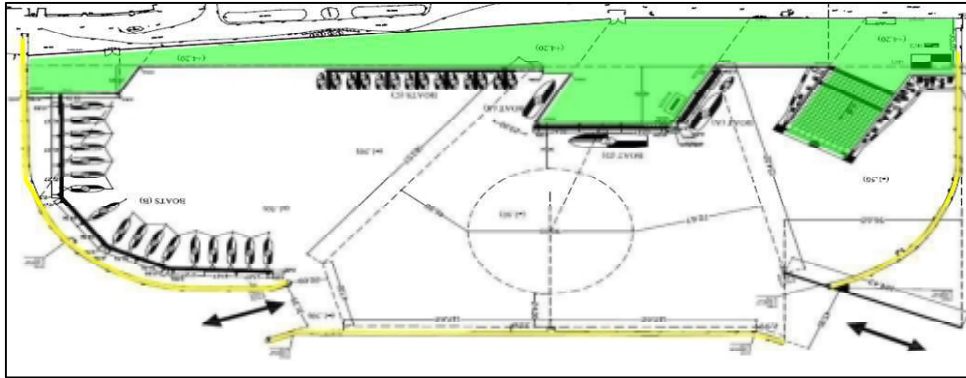
Shore protection revetment, launching ramp, new jetty, fixed berth, floating berths, floating breakwaters, Admin building, and fences.

TRUST's SOW

Marine Studies, Planning and detailed Design of all marine works, preparing technical specifications and bill of quantity



مشروع: تطوير وتصميم قاعده خفر
السواحل-جزيرة فيلكه- الكويت



**Project: Development of Coast Guard Base at
Failaka Island**

Date: 2011
Owner: Ministry of Interior
Client: F&M consulting company-Kuwait
Site: Failaka Island, KUWAIT
TRUST Position: Marine Subonsultant
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ecc.trust@gmail.com
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Project Brief

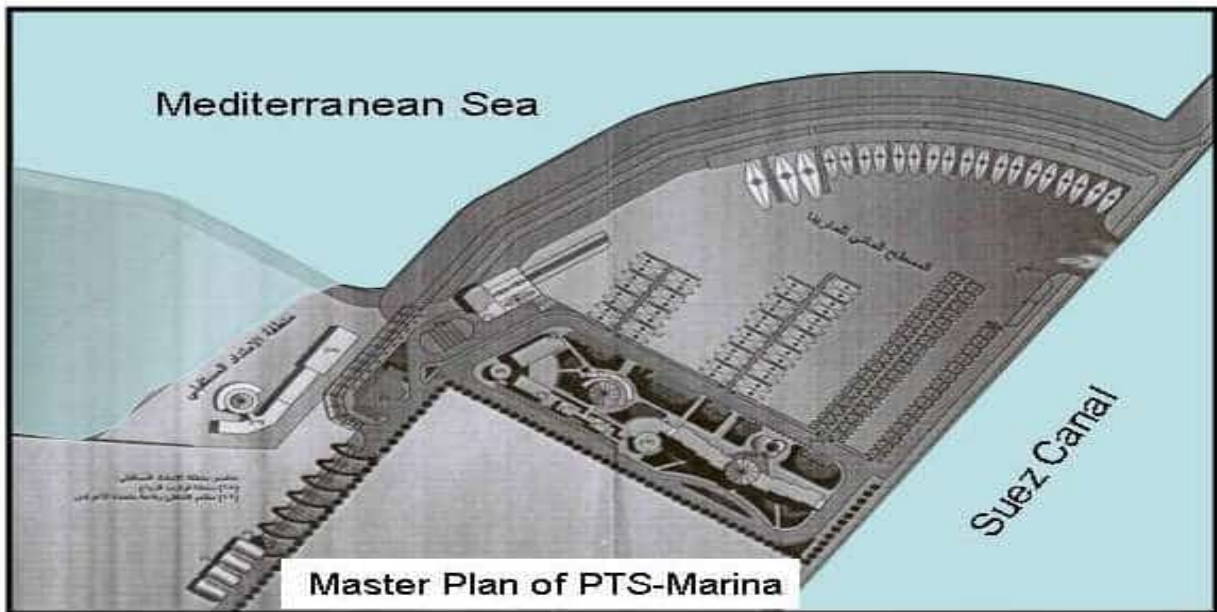
Works include, demolishing, dredging, constructing additional breakwaters, new berths, floating berths, repair of existing breakwaters.

TRUST's SOW

Full Marine studies, planning, detailed design, technical specifications and tender documents



تصميم مارينا يخوت بورسعيد الدولي- مسابقة تصميم
المركز الثالث فنيا والأول ماليا (الأقل تكلفه)



Project: Design Of Port-Said Marina

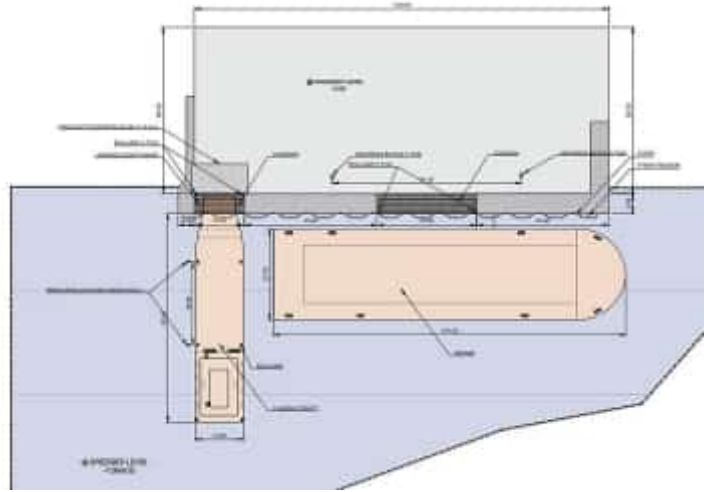
Date: 2003-2004
Client: Port-Said Governorate, Egypt
Site: Port-Said
TRUST Position: ??????????
28 salah salim str., teiba bilding
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info@ecc-trust-consulting
ecc.trust@gmail.com
web: www.ecc-trust-consulting.com

Project SOW

Study, planning, and design of water and land areas. It includes Breakwaters, revetment, and dredging, jetties, and land service structures. The design is 3rd award between 3 winners (Sogreah and ACE-MB). It was the first in economic design. More than 30 consultants local and international submitted into this design competition.

مشروع: تصميم وتنفيذ رصيف شحن ورصيف عبارات
– جزيرة النورس- تركواز للاستثمار

Project: AlNoras Island Resort- Berthing and
Mooring facilities- AbuDhabi



Date: 2023

Client: Turquoise Investment

Main Contractor: Magellan Marine Services Co.

Location: AlNoras Island, AbuDhabi

ECC-TRUST Position: Designer/Consultant

Technical Project Brief

Design and construction of a RoRo berth and Quaywall to serve mobilization and construction works for some years. The width of both berths is 125.0m. The RoRo facility includes 2 guide/mooring dolphins. It includes cleats, fenders, navigation lights, and ladders.

ECC-TRUST's SOW

The site metocean data, Waves and HD numerical models, Planning, detailed design, design drawings, technical specifications, BOQs, and technical support along the project construction and handing over.

مشروع: تصميم وتنفيذ رصيف عبارات سريعة
مصر

Project: D&B a berth for fast RoRo ships with ,
Adjustable Ramps. Hurghada Port, EGYPT



Fast Ferryboats berth:

- Project: Passenger ferry Quay
- Date: 2006
- Client: Al-Salam for Maritime Trans. Co.
- Site: Hurghada Port, Red Sea
- Scope of Work:
 - Planning and design of quay extension (100 m), Detailed design, tender documents, supervision of the first stage of the project (50 m).

Technical Project Brief

Quay Description:

Length: 80 m
Water depth: 6.0 m
Type: Anchored Sheet Piles

TRUST's SOW

- Detailed design/construction document.
- MEP Works Design.
- supervision.



مشروع: تصميم وتنفيذ مارينا يخوت - بورتوفيق - السويس -
Project: Design and Build Port-tawfik Marina, Suez,
SCA, EGYPT



**Project: Design and Build Port-Tawfik Marina,
Suez, SCA, EGYPT**

Date: 2024- Ongoing

Contractor: Canal for Harbors and great projects Co.

Owner: Suez Canal Authority

TRUST Position: The contractor's
designer/supervision consultant

Technical Project Brief

75 boats range from 10m to 60m, with fuel station,
dredging works, utilities/services pedestals, navigation

TRUST's SOW

- Marina Planning
- Detailed design
- MEP Works Design.
- Fabrication and installation supervision.



مشروع: تطوير أرصفة ترسانة ملاحه القطريه
قطر

ملاحه
MILAHA



Project: Upgrading MILAHA's shipyard water front facilities – Milaha, Qatar

Date: 2022- Ongoing

Owner: MILAHA shipyard Company

Client: UCC Construction Holding Company

Site: State of Qatar

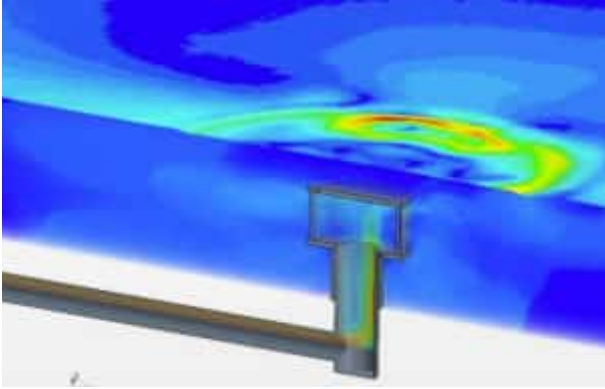
TRUST Position: Design office

Project Brief

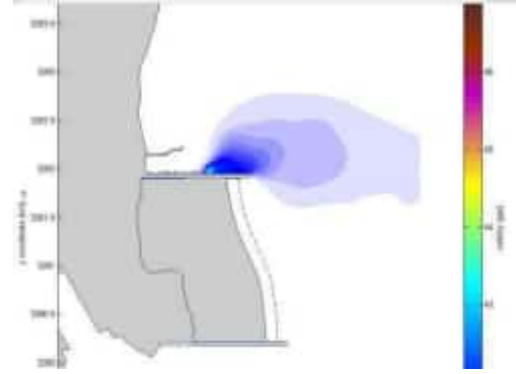
Stabilization of the existing quay wall • Construction of New Mooring Dolphins • Construction of New Quay wall • Dredging works and • Demolition of existing mooring facilities.

TRUST's SOW

Detailed design document for all the project scope and also technical support during execution.



خط المآخذ وخط الطرد البحري ومحطة الطلمبات
وخطوط الطرد الأرضية
لمشروع مزرعة اسماك مغلقة
العين السخنة-مصر



Project: Intake and Outfall in-sea pipelines,
Pump station, and Land pipelines- Closed
Fish farms.

Date: 2021- Now

Owner: Suez Canal Authority & STERNER, AG-

Client: STERNER, Norway

Site: Ain Sokhna, EGYPT

TRUST's Position: Marine Consultant

Project Brief

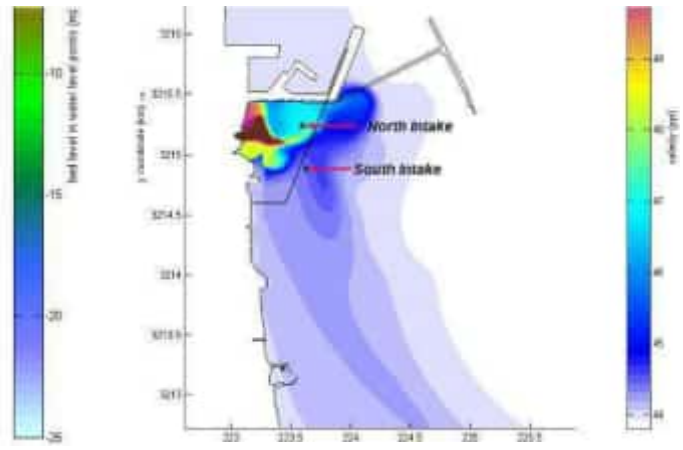
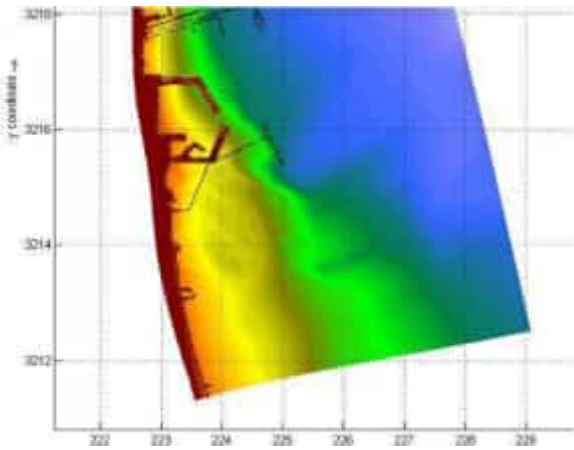
Construct in-sea pipelines, with a riser head and diffusers, for intake and outfall respectively. A pump station on shore to discharge the intake water after screening, to the fish farm at about 3.50 KM in land. The two land pipelines to and from the farm are also part of the project.

TRUST's SOW

Studies, modelling, full hydraulic and structural design and preparing detailed design/tender package for construction.



مشروع: دراسة وتصميم مأخذ
ومخرج محطة كهرباء الشعيبه
وزارة الكهرباء والماء- دولة الكويت



Project: Design new Intake and outfall pipelines for Shuaiba power station- KUWAIT

Date: 2021- 2021

Our Client: Kadhma Environmental Company

Owner: MEW- Kuwait

TRUST Position: Marine Consultant

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Project Brief

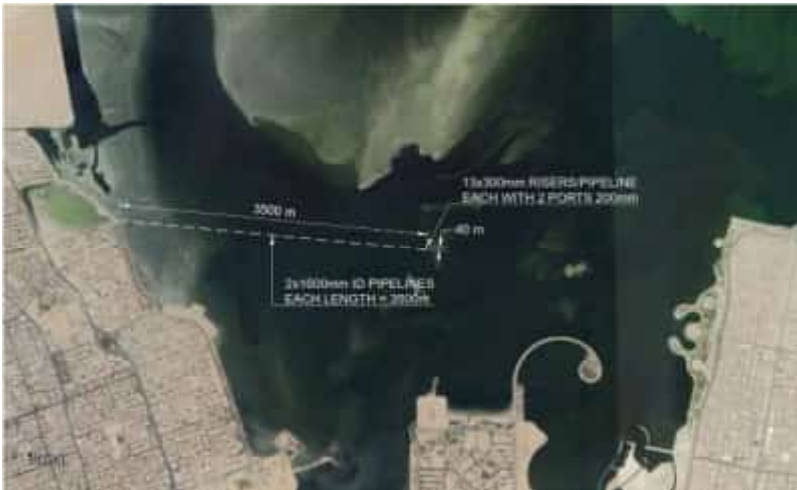
Design existing facilities, propose three alternatives for intake & outfall sea pipelines, detailed design of recommended one, and cost estimation.

TRUST's SOW

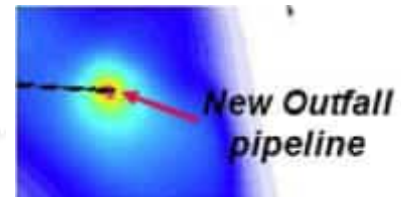
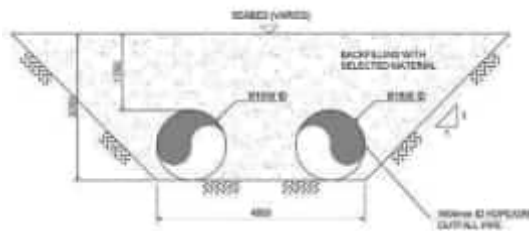
Numerical modelling; Metocean data collection, Waves transformation, Hydrodynamic, and 3D CORMIX for dilution and concentration.

Different engineering remedy proposals

Cost estimation.



مشروع: دراسة وتصميم خط صرف فائض مياه الصرف الصحي المعالج إلى الخليج العربي
وزارة الكهرباء والماء- السعوديه



Project: Study and construct Sea pipeline for overflow treated sewage lines.

Date: 2020- 2021

Our Client: Civil Works Construction Company

Owner: MEW- KSA

TRUST's Position: Marine Consultant

Cost: 16 M\$

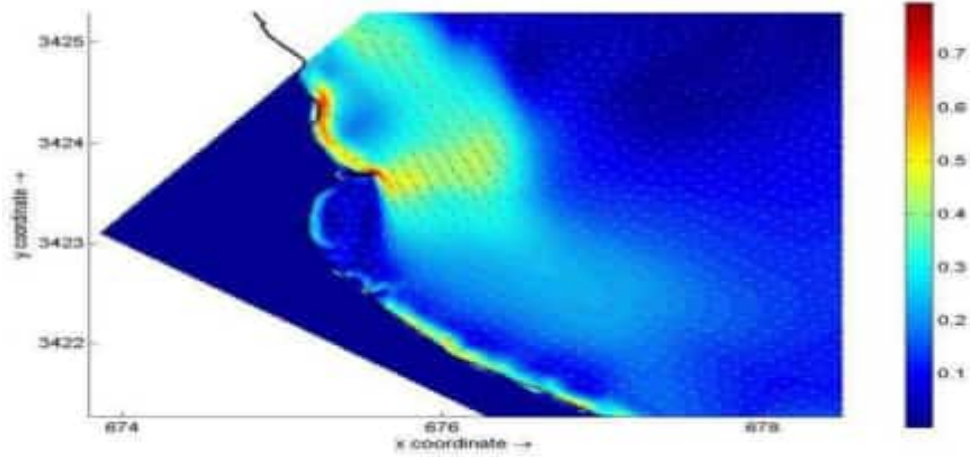
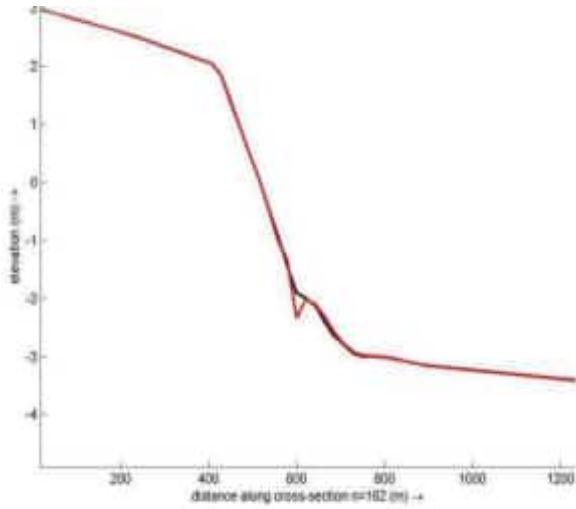
Project Brief

Survey, design, and construct land sewage pipelines, pump station, and sea overflow pipelines.

TRUST's SOW

HD and Waves Numerical modelling and 3D CORMIX for dilution and concentration. Planning and design of Sea outfall pipelines, and Cost estimation.

دراسة وتصميم الاعمال المؤقتة لتنفيذ مأخذ محطة
تحلية مياه البحر بالعلمين-مصر



Project: Design and construction of SWRO Plant

Date: 2017

Owner: Aqualia Infrastructures- MOD, EGYPT

Client: EIA- EccoBusiness

Site: El-Alamein, EGYPT

TRUST Position: Marine Subconsultant

Project Brief

Temporary jetties, dredging, sea intake and outfall pipelines, pumpstation, and SWRO process Plant

TRUST's SOW

Design temporary groins for construction purpose and study its impact on Shoreline stability.



مشروع: تقييم وتأهيل الحوض الجاف- ترسانة بورسعيد
Project: Evaluation and Rehabilitation of existing
DRY DOCK - PortSaid Shipyard, SCA, EGYPT



Date: 2022- 2023
Owner: Suez Canal Authority
Client: PortSaid Shipyard
Site: PortSaid, EGYPT
TRUST Position: The contractor's designer/consultant

Technical Project Brief

The Drydock is 160 m in length and 43m net width. It was built in 1962. It needs different material tests and physical loading tests. Then, prepare full rehabilitation /repair works, technical specifications, and tender document.

TRUST's SOW

Full engineering works as stated above and technical support during execution.



مشروع: تصميم رصيف
خدمات بتروليه لشركة
أرامكو- ميناء ضبا- السعوديه



Project: Services Berth- Aramco Oil company– Saudi Arabia

Date: 2014- 2015

Owner: Saudi Ports Authority

Client: HAZIM consulting office-KSA

Site: Dhuba Port, Saudi Arabia

TRUST Position: Marine Subconsultant

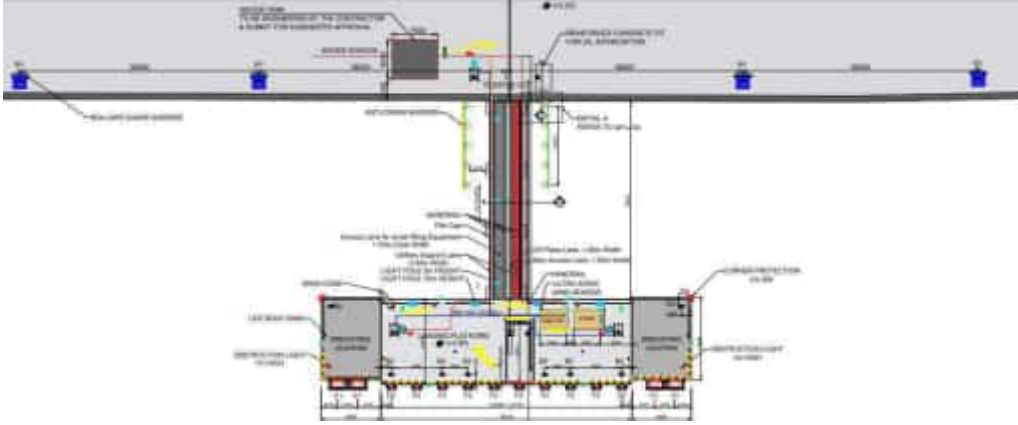
TRUST's SOW

Planning, detailed design, and tender documents preparation for 210 m berth with depth 8.0 m.



مشروع: تصميم واشراف على
تنفيذ رصيف تداول منتجات
بتروليه- أگسون موبيل- مصر

ExxonMobil



Project: Design and project management for oil products berth- EXXONMOBIL EGYPT

Date: 2018- 2019

Client: EXXON MOBIL EGYPT

Owner: PORT SAID Ports, WEST PORT

Site: PORTSAID, EGYPT

Estimated Cost: 45 M\$

TRUST Position: Main Consultant

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Project Brief

Design and tender document for base oil ships.

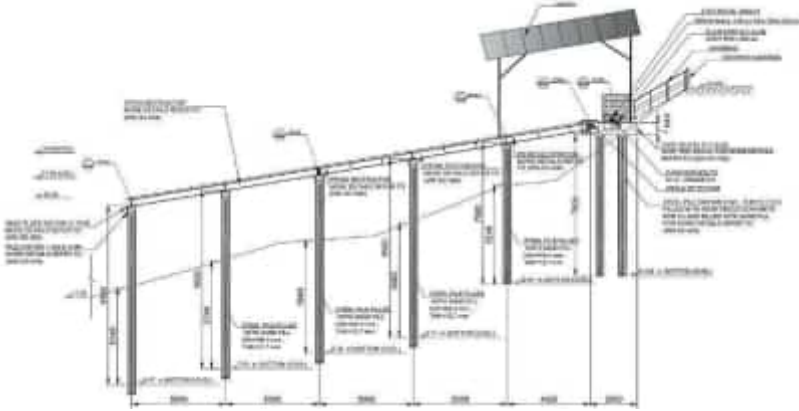
TRUST's SOW

Data collection; field investigation, concept, Mooring numerical analysis, and Detailed design, cost estimation, and tender package preparation.



مشروع: تصميم وتنفيذ 11 مركز طوارئ لزوارق رباط
السفن على امتداد قناة السويس

Project: Design of 11 emergency MOORING speed
boats stations along Suez Canal, EGYPT



Technical Project Brief

Date: 2022- 2023

Owner: Suez Canal Authority

Client: Canal for Harbors Projects Co, Suez Canal Auth.

Site: Port Said, EGYPT

TRUST Position: The contractor's designer/consultant

11 launching ramps with prefabricated materials, at the suez canal West Bank along the canal for emergency ships mooring.

TRUST's SOW

Full Site investigation, detailed design, and advise on construction obstacles.

مشروع: تصميم مبدئي لميناء
خدمات لوجيستيه لشركات الغاز
بالبحر المتوسط- مصر



Project: Conceptual Design of a logistic harbor for Gas platforms- Port Said, EGYPT

Date: 2016

Client: Leith Agencies- EGYPT/Denmark

Owner: Leith Agencies/Suez Canal Authority- EGYPT

TRUST Position: Main Consultant

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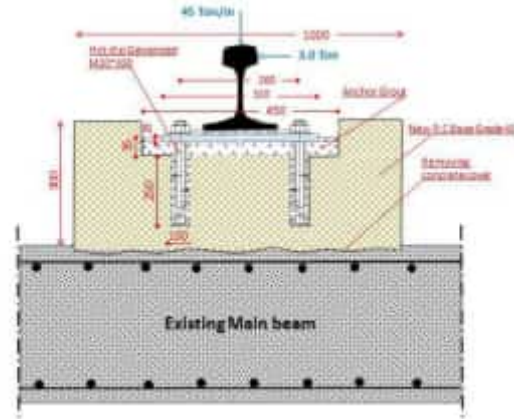
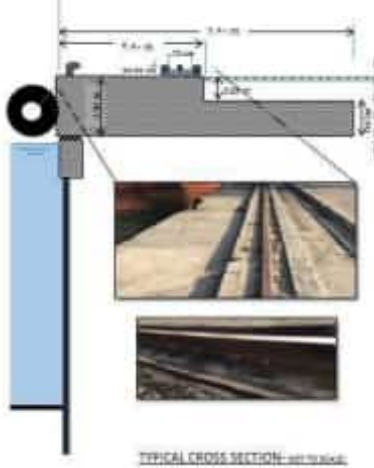
web: www.ecc-trust-consulting.com

TRUST's SOW

Design Criteria, Basic Marine studies, conceptual design, and budget estimation.



مشروع: احلال قضبان واساسات مسار ونش
حاويات- شركة دمياط لتداول الحاويات
- ميناء دمياط



Project: Detailed design for Gantry crane rail/foundation system

Date: 2015

Client: Damietta Container Handling Co.

Site: Damietta Port-Egypt

TRUST Position: Marine Subconsultant

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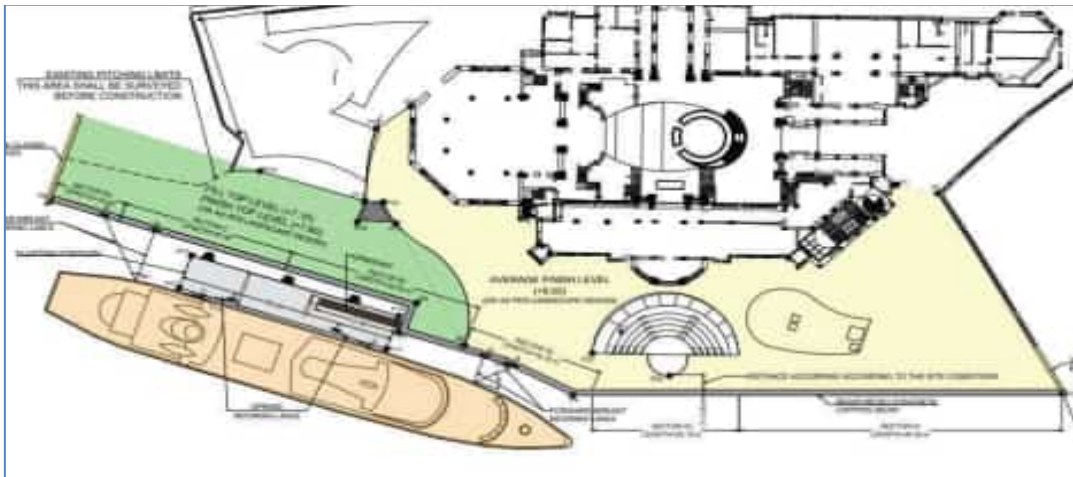
web: www.ecc-trust-consulting.com

TTRUST's SOW

Rails foundation rehabilitation report and shop drawings.



مشروع: تصميم واشراف على تنفيذ
رصيف سفن ركاب نيليه لمتحف
وزارة الأثار- مصر -



Project: Design and Supervision of Nile cruise ship- Special National Museum- MOA- EGYPT

Date: 2019

Owner: MOT, EGYPT

Client: DEUSCHLAND Co.

Site: Jazeera Island, Cairo

Estimated Cost: 3.5 M\$

TRUST Position: Main Consultant

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Project Brief

Design and build a floating berth for ferry yachts to serve the museum's visitors.

Trust's SOW

Data collection; field investigation, concept and Detailed design, cost estimation, and tender package preparation, Construction supervision and management.



تصميم واشراف لسقالة يخوت سياحيه- فندق هيلتون طابا
جنوب سيناء- مصر



Project: Jetties with anchorage area

Date: 2002

Client: Taba for tourism development. Co.



Site: HILTON, Taba, South Sinai

TRUST Position: Main Consultant

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Project Brief

Boats Jetty with access length: 40 m, berthing platform with 20 m widths

Water depth: 3.5 m (at low water level)

Type: Piles with R.C. deck

TRUST's SOW

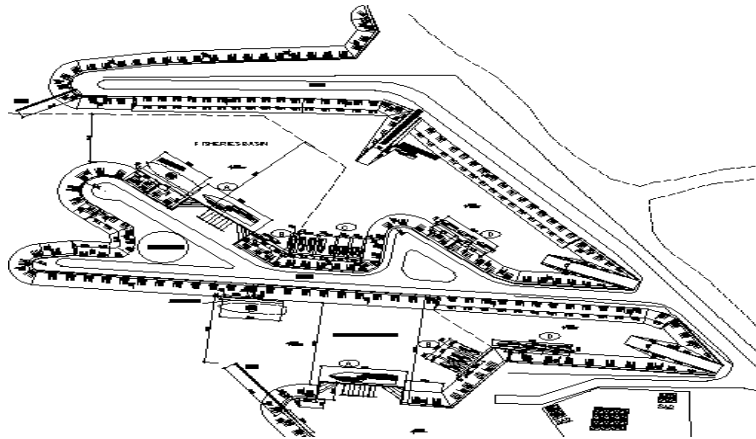
Design, Drawings, tender documents, and supervision of the project.



Existing MARINE BASE

تطوير وتصميم قاعده خفر السواحل

منطقة الدوحة - الكويت



MARINE BASE AFTER DEVELOPMENT

Project: Development of Coast Guard Base at Doha

Date: 2011

Owner: Ministry of Interior

Client: Arab consultants bureau, Kuwait

Site: Doha, KUWAIT

TRUST Position: Marine Subconsultant

28 salah salim str., Teiba building

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Project Brief

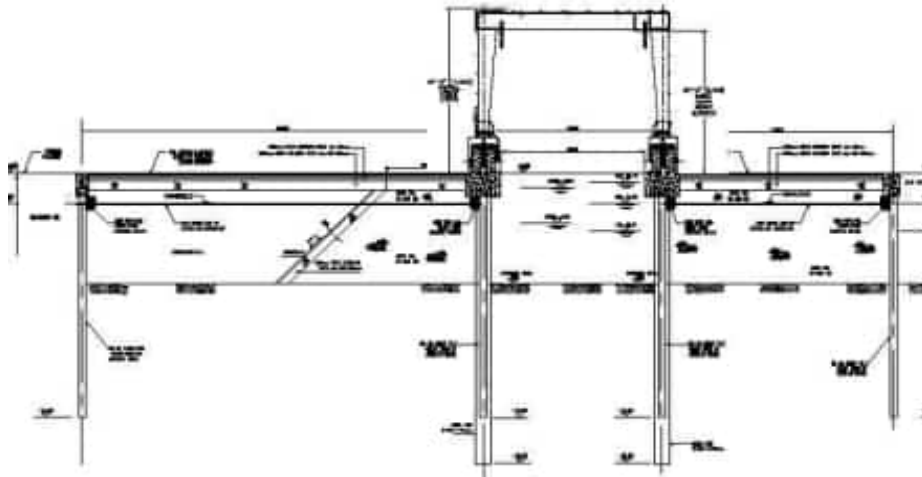
Sites investigation, planning, design and tender document.

TRUST's SOW

Planning, full Marine studies, design, and prepare tender documents



مشروع: تخطيط وتصميم حوض رفع يخوت
كبيره وساحة ورش اصلاح- الخيران
الكويت



Project: Planning and design of Big yachts lifting system and repair yard

Date: 2021

Owner: Kuwait enterprises Projects Company

Client: F&M Consulting Company-Kuwait

Site: Khiran, KUWAIT

TRUST Position: Marine Subconsultant

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Project SOW

Design a big yachts lifting system and repair yard, budget estimation, and tender document.

TRUST's SOW

Planning and detailed design of shiplift, repair yard, workshops, and dredging. It includes design drawings, technical specifications, BOQ, and cost estimation.

تكريب ميناء العريش البحري- دراسات فنيه

هيئة مواني بورسعيد- مصر



Beach Nourishment by dredging material

Al-Ariesh Port Dredging Operation

Date: 2002-2003

Client: Port-Said Ports Authority.

Site: Al-Ariesh

Contractor: Canal for harbors and great projects Co.

TRUST Position: Marine Consultant

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Project Brief

Maintenance of designed bed levels for the main quay, turning circle, and approach channel. Nourish the down-drift shore with the dredged material.

TRUST's SOW

Study and review stability of the port' structures against dredging operation (Quay walls, and breakwaters). Dredging design drawings, BOQ, and Study the disposal of dredging material.



مشروع: تصميم منزل يخوت بميناء الصيد
- الكويت



Project: Launching ramp- Fishing harbor

Date: 2015

Owner: Kuwait agricultural and fisheries authority

Client: Dalal Seagull Contractor

Site: Salmya, Kuwait

TRUST Position: Main consultant

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TRUST's SOW

Demolishing Plan for the old Launching ramp, Design a new ramp, prepare drawings & technical specs, and technical Support for the contractor during construction.



مشروع: تصميم سقاه للأغراض الترفيهيه

أبراج الكويت - الكويت



Project: Walkway Bridge at Kuwait Towers

Date: 2015

Owner: Kuwait enterprises Projects Company

Client: Alghanim/Dalal Seagull

Site: Kuwait Towers, KUWAIT

TRUST Position: Main consultant

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TRUST's SOW

Design works, technical specifications, and technical Support for the contractor during construction.



مشروع: تدعيم حماية شواطئ راس البر وتكريك
وحمايه مصرف جمصه- الهيئة العامه لحماية
الشواطئ-مصر



**Project: Shore protection of Ras elbar and
Gamasa drain outlet- Egypt**

Date: 2018- 2021

Client: Shore Protection Authority

TRUST Position: Construction Supervision

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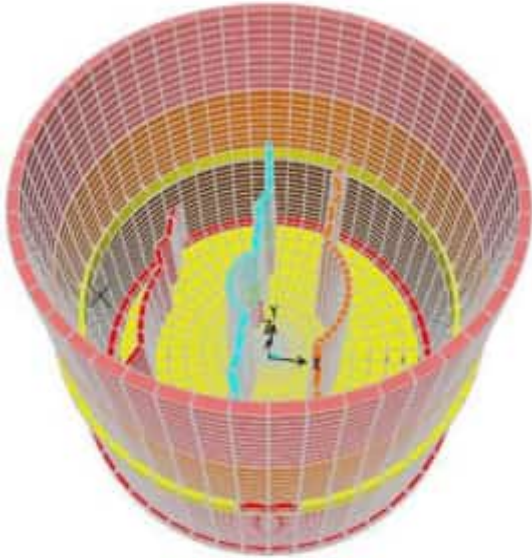
Project Brief

Extend and reinforce the existing offshore detached breakwaters, Dredging the last reach of Gamasa Drain outlet, Construct two jetties at the sea inlet to Gamasa drain, Construct 3 groins to the East of Gamasa drain, and Beach nourishment in between the new groins.

TRUST's SOW

Construction QA&QC/Supervision

تصميم وانشاء محطة رفع صرف صحي رئيسيه
وزارة الاشغال- الكويت



Project: Mega Jahra Pump Station

Date: 2008-2009

Client: Mushrif Construction Company



Owner: Ministry of P.W.

Site: Jahra, KUWAIT

TRUST Position: Design Consultant

Project Brief

Design and construction of Mega Pump Station

TRUST's SOW

Full structural design for the whole project including the diaphragm walls. Applying value engineering to maintain low cost with high efficiency.

تصميم وانشاء محطة صرف صحي
دبي- الامارات



**Project: Sewage Treatment Plant Project
[110,000 m3/d]**

Date: 2008-2009

Client: Mushrif National Construction/
Samsung Engineering

Owner: Nakheel

Site: International City, Dubai, UAE.

TRUST Position: Civil/structural Design reviewer

Project Brief

Design and build a sewage treatment plant for
International city with capacity 110,000 m3/day

TRUST's SOW

Review and verify the Design works. Ensure Value
engineering for Architect, civil, and structural items.