

Holds a B. Sc. in Civil Engineering and has over 6 years extensive experience in marine studies, design, supervision and projects management. Expert in design marine structure including breakwaters, revetment, intake & outfall pipelines and numerical modeling. Achieved proven projects delivery on bathymetric surveys and met ocean studies. Excellent level in numerical modeling software and development tools. Professional experience in projects management tools and techniques.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 04/12/1993
Gender : Male
Residence : Currently KSA

EDUCATION

: B. Sc. in Civil Engineering, Helwan University, 2016
: DIPLOMA IN STRUCTURAL DESIGN ANALYSIS, 2015
: Studying for Master degree in Marine Engineering, Benha University, from 2019 till now

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet
: AutoCAD
: Civil 3D
: SAP 2000
: Etabs
: Safe
: CSI Column

TRAINING COURSES AND CERTIFICATIONS

: CSI Diploma (Cad Master Training Center) (Nov. 2015).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2022 till now
Employer : Jeddah Central Development Company, KSA
Project : JCD Project
Job title : Senior Project Engineer
Job Description :

- Perform difficult and complex field engineering assignments involving the development, execution, supervision, and coordination of all technical aspects of a construction project.
- Maintain first level quality assurance to confirm that the installation of all work within his /her discipline is in accordance with the plans, specifications, and industry standards.
- Supervise the construction engineering work and provide technical expertise for one or more of the construction engineering disciplines.
- Ensure that tests and inspections are performed, witnessed, and documented in accordance with approved procedures.
- Collaborate with construction management to eliminate any hazards associated with the work that may adversely affect the environment or the safety or health of employees.
- Ensure that personnel of the assigned group engage in safe work practices in compliance with site specific safety procedures and industry standards.
- Establish and maintain liaison with the design engineering staff.
- Develop discipline construction schedules and monitor progress.
- Provide schedule and progress appraisal report to the Construction Manager.
- Ensure that materials received meet specifications and established standards of quality.
- Organize the accumulation of assigned discipline data for the final project turnover and report.
- Initiate and maintain records, back charge procedures, progress reports, etc., as required.
- Interface with the Authorities, client and stakeholders.
- Assist the construction manager in administering the operational functions of the day-to-day activities on the project, with specific duties related to marine construction works such as beach nourishment, groins and quay wall construction.

Dates : From 2021 till 2022
Employer : Khatib & Alami, KSA
Project : NEOM Projects
Job title : Project Engineer
Job Description :

- Supervision of the Bathymetric and Shoreline topographic surveys those are conducted at Gulf of Aqaba and NEOM ZERO in order to obtain maps of the seabed and a strip on land along the shore/islands.
- Supervision of the hydrographic surveys and Met-ocean studies including deploy ADCPs in different locations to collect current, wave measurements as well as install tidal gauges to collect tidal data measurements, seabed sampling and testing, for turbidity measurements.

- Obtaining all necessary permits and permissions for personnel and equipment from the relevant authorities.
- Leading and mentoring different contractors and conducting meetings and presentations for efficient communication.
- Leading the marine and geotechnical supervision team through the early stages of construction.
- Supervising the Contractors works by performing daily inspections, ensuring that the works are progressing in accordance with the approved design drawings and design standards.
- Review and ensure the Contractor's designs/specifications, calculations, construction drawings, and construction methodologies fully satisfy the Employer's requirements.
- Supervise site activities to ensure that the required standards and specifications are met, record the progress of the works against the current Program and record any variances and inform the Client of such variances.
- Working within a team of project managers to efficiently represent the Client on all matters in the project.
- Leading coordination efforts with different governmental authorities ensuring that work is done as per governmental requirements and standards.

Dates	:	From 2019 till 2021
Employer	:	Khatib & Alami, Cairo
Job title	:	Marine Engineer
Job Description	:	<p>Team Leader for various marine design projects covering the following tasks:</p> <ul style="list-style-type: none"> • Design, review, contribute to field programs and data analysis. • Numerical modeling tasks for coastal projects using Delft-3D (wave propagation, circulation, sediment transport and shoreline change modeling). • Perform engineering designs; develop preliminary, schematic and detailed designs of coastal and marine elements; in addition to write specifications and construction documents. • Conduct coastal studies and assessments based on numerical modeling investigations and analysis of coastal processes such as hydrodynamics, wave propagation, wave agitation, storm surges, littoral processes, sediment transport, hydro-morphology, and wave-current-structure interaction. • Review project results, documents, and field data collection programs to verify accuracy and completeness in content and approach. • Design, review and coordinate efforts for the successful delivery of coastal modelling and designs, including production of technical reports, written calculations, design briefs, drawings, schedules, and contract documentation. • Follow design guidelines, standards and procedures to effectively execute assigned design work. • Design and review dredging and reclamation works from proposal phase to project completion works. • Design and review various shore protection schemes from budgeting to construction methodologies and design drawing production.

- Dates** : From Aug. 2016 till 2019
- Employer** : TELCONSULT Consulting Engineers for harbour, coastal and offshore engineering, Cairo
- Job title** : Marine Engineer
- Job Description** :
- Feasibility, master plan studies including monitoring of field investigations.
 - Basic, and detailed design preparation.
 - The environmental studies required for Harbour, coastal and offshore projects.
 - Inspection of existing Harbour, coastal structures and engineering for repair and maintenance works.
 - Design of port related components like breakwater, Jetties and Coastal Structures.
 - Cost estimation, and Quantity calculation.
 - Review of Bathymetry, Wind, Wave, Tide and Siltation data.
 - Preparation and Optimization of layout drawings.

Projects:

- EPPC Port Said gas tankers berth, Mediterranean Sea:
 - Design basis for the proposed berth using OPTIMOOR mooring analysis software including design tankers, environmental parameters, soil parameters and navigational.
 - Development and evaluation of alternatives to reach optimum multi-buoys mooring berth general layout.
 - Value engineering, sensitivity analysis to account for relaxation of weather acceptance criteria for berth operation; i.e. reduction of time out of operation for the berth.
 - Detailed designs for berth components including mooring lines and anchors.
- Protection and dredging project of Gamasa drain inlet, Mediterranean Sea:
 - Design of breakwater, jetties and groins.
 - Determine project site coastal conditions such as wind, waves and water levels.
 - Alongshore littoral drift potential rates calculations.
 - Sand nourishment, dredging Plan and bill of quantities.
- Various Sea water intake and outfall for desalination plants, including the following SOW:
 - Feasibility, master plan studies, site visits and reporting.
 - Basic, detailed design and preparation of construction drawings.
 - Detailed study of construction procedure and bill of quantities.
 - Hydraulic and environmental designs using CORMIX international specialized software.
 - Review of bathymetry, wind, wave, tide and siltation data.
 - Modeling the sealine using ZENRISER international software during installation (float or sink).
 - Design report preparation and review.

Skills:

- Design and review of marine structures.
- Project Management Consultant.

- Site Supervision.
- Optimoor mooring analysis.
- Wave propagation (SWAN-DELFT 3D).
- Water circulation model (DELFT 3D).
- Sediment transport (DELFT 3D).
- Shoreline change modeling (UNI BEST – DELFT 3D).
- Wave agitation model (ARTEMIS – TELEMAC).
- Cormix software for environmental impact assessment.
- Zenriser for sealine structural analysis.
- Wallap for retaining wall.