

# Khaled Aboelezz

## Civil ENGINEER

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### PROFILE

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Licensed Civil Engineer with 7 years of experience, spanning structural design, site execution, and fit-out works, delivering high-profile projects in Saudi Arabia, including the Misk Project, PIF Project, and KAFD Amazonica under **Baytur**, the Sofitel Hotel Project with **Mobco**, and the King Khaled Airport Expansion Project with **Al-Shareef** Company. I specialize in structural design and BIM modeling for complex structures, and I have a proven track record in technical coordination, site execution, and leading multidisciplinary teams. Adept at managing the full project lifecycle - from planning and analysis to completion - while ensuring quality, cost control, and compliance with international standards. Committed to driving innovation and sustainability in civil projects, with a strong interest in integrating BIM technology with Scrum methodology to enhance collaboration, efficiency, and design agility.

In addition to my civil engineering background, I am an internationally licensed Commercial Diver specializing in underwater construction, inspection, and offshore operations. My postgraduate studies focus on offshore platform structures, integrating advanced structural dynamics and marine engineering.

### PERSONAL INFORMATION

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Registered with the Saudi Council of Engineers

. Iqama Status: Transferable

Nationality: Egyptian

. Driving License: Valid

### WORK EXPERIENCE

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#### Saudi Baytur

##### Package Manager – KAFD - PIF Tower Project

Apr 2023 – MAY2025

- Supervised the joinery works package, including the fabrication and installation of wooden items
- Managed on-site execution of joinery works, ensuring quality control, material compliance, and timely delivery.
- Managing the site team to complete the planned tasks
- Enhances design and construction using BIM for better accuracy, coordination, and efficiency.
- Led the structural design scope of the project
- Coordination with the design team to complete the proposal and solutions for the conflicts and site conditions.
- Collaborate with product/program and project site staff to understand needs.
- Following up on the update schedule to confirm that the deadline is met.

##### Senior structural engineer – KAFD - AMAZONICA

Dec 2022 – Apr 2023

- Led the design scope of the project, ensuring alignment with architectural and structural requirements.
- Enhances design and construction processes by implementing BIM technology to improve accuracy, coordination, and project efficiency
- Managed communication and coordination with all subcontractors to maintain workflow efficiency and ensure compliance with project standards.
- Supervised and guided the site team to deliver planned tasks on schedule and to required quality standards.
- Provided technical advice and proactive solutions to prevent potential engineering issues and delays.
- Collaborated with product, program, and on-site project teams to identify requirements and provide effective support.

##### Senior civil engineer – Misk PROJECT

July 2022 – Dec 2022

- Managed infrastructure works on-site as Shift Manager, ensuring proper execution of utilities, groundwork, and underground services in line with project specifications and timelines
- Improves construction execution by implementing BIM (Building Information Modeling) technology to optimize coordination, reduce errors, and streamline workflows
- Supervised the operation and coordination of all machinery and equipment on-site, plans site logistics and movements, and ensured the prevention of work clashes to maintain workflow efficiency.
- Fit-Out Works Manager at one of the buildings in Misk School.

## Alshereef Company

### Civil site engineer – KKIA project

July 2020 – Jan 2021

- Managed and supervised all concrete pouring activities during the King Khalid International Airport expansion, maintaining compliance with project specifications and standards.
- Services in line with project specifications and timelines
- Improves construction execution by implementing BIM (Building Information Modeling) technology to optimize coordination, reduce errors, and streamline workflows

### BIM coordinator – Head office

Jan 2021– MAR 2022

- Manage implementation and integration of BIM technology company-wide to enhance project coordination and delivery.

## Mobco Company

### Fit out engineer -Sofitel project

July 2019 – MAY 2020

- Responsible for managing the fit-out works in one millstone in project.
- Led on-site execution, ensuring compliance with specifications, quality, and deadlines
- Coordinated daily with subcontractors and consultants to resolve technical issues and maintain smooth site operations.
- Supervised site teams and ensured strict adherence to safety protocols and client requirements.

## EDUCATION

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### Bachelor of Civil Engineering

Mansoura University – Mansoura, Egypt

June 2018

### Master of Structural Engineering

Student at Mansoura University

(2021-2026)

### Commercial diving licensee

IDSA international

2021

## SKILLS

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|----------------------------------|---------------------------------------|----------------------------------|
| • Leadership and Team Management | • Client and Sub-Contractor Relations | • Construction Documentation     |
| • Time Management                | • Project Management                  | • Material Knowledge             |
| • Communication                  | • Sustainable Design                  | • Visualization and Presentation |
| • Problem-Solving                | • Structural Engineering              | • Attention to Detail            |

## Software

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- |           |   |                          |
|-----------|---|--------------------------|
| • Autocad | • Navisworks  | • blender                |
| • Ansys   | • idea static                                       | • 3D max                 |
| • Catia   | • dynamo  | • Power BI               |
| • Abaqus  | • construction s.w: Etabs, sap2000, safe,csi column | • USA marine dive tables |
| • Robot   | • Autodesk infrastructure                           | • HAP                    |
| • Revit   |   |                          |
| • Tekla   | • primavera   |                          |

## Training and courses

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- \*Structural design diploma- APC Company for training
- \*Trained for Arb contractors in 2016
- \*Trained for Egyptian government 2017
- \*PRMG diploma student in AUC Cairo
- \*Structural Revit courses
- \*Advanced BIM management diploma Company

- \*Robot structure analysis course
- \* Steel structure design course
- \* Primavera course Dr. Emad El-Beltagy
- \* 3D Max & Blender visualization course
- \* Course in modelling SW CATIA
- \* Solar energy (off-grid) course from RENAC OASSIS

## References

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. Available upon request.

. All documents are subject to international documentation.