

# KHALED ABDALLAH HASSAN ABD EL MONIEM

## SENIOR FORMWORK AND SCAFFOLDING ENGINEER



### SUMMARY

I am a skilled Formwork and Scaffolding Engineer with extensive experience in leading complex construction projects across industrial, residential, and transportation sectors. With a Bachelor's in Civil Engineering and currently pursuing an MBA, I combine technical expertise and strategic management.

Certified in scaffolding systems by the Scaffold Training Institute and Bureau Veritas, I specialize in design, safety compliance, and risk management. My project experience includes the Assiut Hydrocracking Complex, Katameya Creeks Residential Project, the High-Speed Rail Project, and currently a major industrial development in Saudi Arabia—focusing on efficient execution, safety, and on-time delivery.

### WORK EXPERIENCE

#### Senior formwork and scaffolding engineer

**MAS ECC - Hyundai Motors Middle East Project, Saudi Arabia**

**May 5, 2025 - Present**

##### Key Responsibilities:

- Working as a subcontractor under Hyundai Motors Middle East on a mega industrial project, the first of its kind in the Middle East, designed to produce 50,000 vehicles annually.
- Responsible for the operation, planning, and supervision of formwork and scaffolding systems for major infrastructure elements including tanks, tunnels, and slabs.
- Managing site activities to ensure alignment with safety regulations, quality standards, and project timelines.
- Coordinating with multiple subcontractors, suppliers, and engineering teams to support smooth and efficient construction progress.

#### Senior formwork and scaffolding engineer

**PETROJET | February 2024 - April 2025**

**High-Speed Rail Project: Sadat and Al Nobriya Stations | January 2024 - Present**

##### Key Responsibilities:

- Managed scaffolding operations at Sadat and Al Nobriya Stations, including façade scaffolding and concrete works.
- Supervised scaffolding for two high-speed rail box-section bridges (225 meters each) at Sadat Station using the Cuplock system.
- Oversaw scaffolding installations for three passenger bridges at Al Nobriya Station, ensuring safety and efficiency.
- Developed and implemented resource rotation plans between Sadat and Al Nobriya Stations to maintain continuous workflow and meet deadlines.
- Coordinated activities across common buildings at both stations, ensuring seamless integration with overall project schedules.

#### Senior formwork and scaffolding engineer

**PETROJET | January 2023 - January 2024**

**Project:** Assiut Hydrocracking Complex (AHC Project)


**Main Contractor:** Technip Engineers

**Consultant:** Worley

##### Key Responsibilities:

- Directed formwork and scaffolding activities for the Assiut Hydrocracking Complex (AHC Project), a key national initiative converting low-value fuel oil into petroleum products in Upper Egypt.
- Worked collaboratively with the main contractor, Technip Engineers, and consultant, Worley, to ensure the project's successful execution.

### CONTACT

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 Rabigh , Saudi arabia



### PERSONAL INFO

- Iqama:** Transferable Iqama (Saudi Arabia)
- License:** Valid Saudi Driving License
- Rabigh, Saudi Arabia**
- Date of Birth:** 11-11-1993
- Nationality:** Egyptian
- Marital Status:** Married
- Military Status:** Exempted

### EDUCATION

- Master of Business Administration (MBA) at RB College UK**  
June 2023 - December 2024

#### Bachelor of Civil Engineering

- Institution:** Ain Shams University (ASU), Faculty of Engineering, Cairo
- Graduation Year:** 2017
- Graduation GPA:** Good
- Graduation Project:** Sanitary & Solid Waste Management
- Project Grade:** Excellent

### LANGUAGES

- Arabic:** Native
- English:** Fluent
- French:** Intermediate

# WORK EXPERIENCE

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- Supervised the safe and effective installation of scaffolding and formwork, adhering to industry regulations and standards.
- Managed a team of professionals, delegating responsibilities and providing technical guidance for complex construction tasks.
- Coordinated scaffolding logistics to optimize material handling and minimize delays.
- Conducted regular site inspections and risk assessments to ensure safety and adherence to quality standards.

## Key Achievements:

- Efficiently managed formwork and scaffolding operations for a high-profile national project, contributing to its on-time completion.
- Contributed to the on-time completion of the high-profile project.
- Improved operational efficiency, reducing construction time.
- Delivered safe, high-quality scaffolding solutions, exceeding client expectations

## Methods Engineer

### Rowad Modern Engineering (Formwork and Scaffolding Department)

**July 2021 - December 2022**

**Project:** Katameya Creeks Residential Project, Fifth Settlement

**Description:** A luxury residential complex comprising 44 villas and 22 residential buildings across 18 unique designs.

## Key Responsibilities:

- Directed the scaffolders and carpenters department for the Katameya Creeks Residential Project, managing scaffolding installation for this intricate luxury development.
- Collaborated with project stakeholders to design efficient scaffolding systems, ensuring adherence to project timelines and budgets.
- Monitored daily operations, providing on-site support and resolving technical issues to maintain construction progress.

## Key Achievements:

- Successfully led the scaffolding department, prioritizing safety and efficiency throughout the construction process.
- Streamlined scaffolding operations, reducing construction time and costs.
- Played a critical role in the timely delivery of the Katameya Creeks project, achieving high client satisfaction.
- Implemented process improvements that resulted in optimized scaffolding workflows, significantly reducing labor costs.

## Formwork and Scaffolding Site Engineer

### ACROW for Integrated Construction Services | October 2017 - June 2021

#### Projects:

- **LRT (Light Railway Train): Al-Obbour Station and El-Mosktabl Station**

Led scaffolding and carpentry teams for two stations, each spanning over 25,000 square meters, in collaboration with PETROJET (June 2020 - June 2021).

- **Rehabilitation of L'Oréal Factory**

Supervised scaffolding for access work during welding operations for factory rehabilitation, ensuring minimal disruption to production (April - June 2020).

- **Fairmont Hotel Raft at CBD, New Capital City**

Contributed to formwork operations for a raft foundation involving approximately 14,000 cubic meters of concrete (January - March 2020).

#### Bernis Military Base Platform

Oversaw scaffolding and carpentry teams for the erection and dismantling of platforms, billboards, and display screens (November 2019 - January 2020).

- **Al-Gouna Conference Hall**

Led formwork operations for heavy-duty prop installations supporting precast walls, each weighing 90 tons, and connecting them with colonnade beams (July - October 2019).

- **Andrea Bocelli's Concert**

Directed scaffolding activities for platforms, banners, and display screens, using a Cuplock system for a 4,000-cubic-meter structure (June - July 2019).

- **Baltim South West Gas Field Kick-off (SAIPEM)**

Headed a scaffolding team for onshore preparations of scaffolding structures for PETROJET's cargo barge operations (May - June 2019).

- **Cairo Metro Third Line Phase III (Adly Mansour Station)**

Executed main and secondary box section activities using ACROW Bridge Table and Heavy Duty Truss Systems (December 2018 - April 2019).

- **NAVAL GROUP Technical Shutdown**

Led scaffolding inspections during a technical shutdown of a navy ship in Alexandria (December 2018).

- **Air Liquide Technical Shutdown**

Supervised scaffolding installations for EZZ STEEL factory's technical shutdown in Alexandria (November 2018).

- **Grand Egyptian Museum**

Managed suspended scaffolding erection and dismantling for roof and ceiling cladding (December 2017 - October 2018).

- **West Nile Delta (WND) Fields**

Oversaw scaffolding operations for PETROJET's Mediterranean gas and condensate field development (October - December 2017).

**Key Responsibilities:**

- Directed formwork and scaffolding teams for diverse projects, including LRT stations, factory rehabilitation, and large-scale concrete foundations.
- Collaborated with PETROJET and other contractors to deliver safe and efficient scaffolding solutions.
- Coordinated the erection and dismantling of scaffolding systems to ensure timely project completion
- Coordinated activities across common buildings at both stations, ensuring seamless integration with overall project schedules.

## SKILLS

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- Formwork and Scaffolding Design and Implementation
- Advanced Scaffolding Systems (Cuplock, Suspended, Heavy Duty Props)
- Project Management and Resource Optimization
- Construction Safety Compliance and Inspections
- Construction Materials and Methods
- Leadership and Team Management
- Problem Solving and Decision-Making
- Effective Communication and Stakeholder Collaboration
- Collaborative Teamwork across Multidisciplinary Teams
- Time Management and Organizational Skills
- Attention to Detail in Complex Projects
- Technical Shutdown Scaffolding Operations

## BUSINESS TOOLS

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- MS office
- AutoCAD 2D
- Primavera P6
- Navis work (3D model )
- Pon Cad (scaffolding 3 D Desgin and drawing

## CERTIFICATES

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1. **Competent Person: Frame, Tube & Coupler System Scaffolding** issued by the Scaffold Training Institute.

**Brief Explanation:**

- This certification confirms that the holder has been trained as a "**Competent Person**" in scaffolding systems, particularly frame, tube, and coupler scaffolds.

**It focuses on:**

- Ensuring compliance with scaffolding safety standards.
- Conducting inspections for safe scaffolding usage.
- Managing scaffolding erection, dismantling, and maintenance.
- Identifying and mitigating potential risks in scaffolding operations.
- This certification is critical for professionals managing scaffolding in construction and industrial projects, emphasizing safety and technical proficiency.

# CERTIFICATES

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## 2. Scaffolding Engineer: Bureau Veritas Competency Test

**Brief Explanation:**

This certification, issued by Bureau Veritas, confirms that the holder has successfully passed theoretical and practical competency tests for scaffolding engineering.

- **Key competencies include:**
- Structural calculations and design for scaffolds and formworks.
- Planning, organization, and logistics for scaffolding projects.
- Effective supervision and allocation of duties.
- Conducting scaffold inspections and adhering to safety regulations.
- Preparing risk assessments and method statements for scaffolding activities.