

FATHI KHALIFA MOHAMED

PLANNING ENGINEER | ROAD ENGINEER| SAFETY-ORIENTED | POWER BI & DATA ANALYSIS

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PROFILE SUMMARY

I am a Civil Engineer specialized in road infrastructure planning and project control, with a strong background in data analysis, schedule, and cost performance management. I aim to support sustainable construction by integrating technology, data analytics, and smart planning into road projects to improve efficiency, reduce environmental impact, and deliver inclusive infrastructure that serves all users. I believe that project success depends on the commitment and collaboration of all stakeholders, not only operational or construction teams. Likewise, environmental responsibility is a shared effort that extends beyond the construction sector to include planners, regulators, decision-makers, and the community.

PROFESSIONAL EXPERIENCE

Abo Azzam Company | Taif, Saudi Arabia

January 2025- April 2025 SA

Site Engineer-planning Engineer

Responsibilities:

- Supervised construction activities and coordinated site works according to approved drawings.
- Prepared daily and weekly reports for quantities, manpower, and progress.
- Ensured compliance with safety regulations and quality standards.
- Coordinated labor, subcontractors, and suppliers to support project schedule requirements.

Al-Saqr Al-Abyad Contracting Company | Egypt

June 2024 – November 2024 EG

Planning Engineer – Roads & Infrastructure

Responsibilities:

- Prepared and updated detailed project schedules using Primavera P6.
- Monitored project progress and analyzed schedule deviations and productivity rates.
- Developed Power BI dashboards to track project performance indicators.
- Coordinated with surveying and site teams for layer handover and progress verification.
- Supported project management team in reporting, planning updates, and decision support.

General Contracting Company | Egypt

January 2023 – February 2024 EG

Project Control & Planning Engineer – Roads Projects

Responsibilities:

- Planned and monitored road projects schedules using Primavera P6, ensuring alignment with project milestones.
- Supervised execution of road layers (subgrade, base course, asphalt) in coordination with site and technical teams.
- Analyzed schedule delays and variances between planned and actual progress, supporting corrective actions.
- Updated BOQ quantities based on actual site progress and prepared progress reports.
- Analyzed project data using SQL Server and developed interactive dashboards using Power BI to track KPIs.
- Supported cost control activities and performance analysis to improve project efficiency.

Responsibilities:

- Supervised construction works in accordance with structural and architectural drawings.
- Followed up reinforced concrete works including formwork, reinforcement, and concrete casting.
- Coordinated drawings and site activities to ensure quality compliance.
- Prepared daily and weekly quantity and progress reports.
- Ensured compliance with quality and safety requirements on site.

EDUCATION

Bachelor's Degree in Civil Engineering

Graduation Year: 2021

New Cairo Academy for Engineering and Technology

- Civil Engineering Department
- Graduation Project: Recycling of Concrete Materials, Project Grade: Excellent

TECHNICAL SKILLS

Project Planning & Scheduling (Primavera P6), (Microsoft Project), Project Control and Progress Tracking, Performance Analysis, Cost Control and BOQ Management, Interim and Final Payments, Data Analysis and Reporting (Microsoft Excel – Advanced), Dashboard Development and Data Visualization (Power BI), Data Extraction, Cleaning, and Analysis (SQL Server), Reporting and Workflow Automation (Python), Workflow Automation and Process Optimization (n8n), Road and Infrastructure Design (AutoCAD Civil 3D), Web Scraping for Automated Data Collection, Professional Documentation and Reporting (Microsoft Office)

COURSES

Primavera P6 Planning Course

Date: 2023

Civil Academy

AutoCAD Civil 3D

Date: 2023

Civil Academy

Power BI Course

Date: 2024-2023

YouTube (Data Preparation, Modeling, and Dashboards)

Power BI Data Analysis Course

Date: 2026

Coursera

Project Management Course

Date: 2026

University of California, Irvine (UCI)

Occupational Safety and Health Fundamentals (OSHA)

Date: 2026

– Coursera

Earned Value Management (EVM) Course

Date: 2026

Coursera

PROFESSIONAL CERTIFICATES

Introduction to OSHA: Safety Standards and Compliance

Issue Date: January-2026

Coursera

Credential ID: FZFCVTIGY3FS

Project Management: Foundations for Success

Issue Date: January-2026

University of California, Irvine

Credential ID: PYPLWEJPZ22X

Project Management: Control using the Earned Value and Risk

Issue Date: January-2026

Politecnico di Milano

LANGUAGES

Arabic: Native, English: Conversational, German: Basic

PERSONAL DETAILS

- Address: Makkah Kingdom of Saudi Arabia
- Date of Birth: 10-11-1992
- Marital Status: Single
- Military Status: Completed
- Citizenship: Citizenship: Egyptian

DIGITAL & ADVANCED SKILLS

- Project Control data management and database design using SQL Server
- Advanced project reporting and executive dashboards using Power BI and Excel
- Schedule and cost performance analysis (planned vs actual, KPIs)
- Earned Value Management (EVM) analysis
- Automated project data processing and reporting using Python
- Workflow automation and system integration using n8n
- Professional use of artificial intelligence tools for project performance analysis, forecasting, and decision support
- Data cleaning, validation, and accuracy control
- Integration of digital tools to enhance project monitoring, accuracy, and control

PROFESSIONAL VISION

I seek an opportunity in a professional environment where I can:

- Continuously develop my engineering and technical skills
- Apply data-driven and sustainable approaches to infrastructure projects
- Work with integrity, commitment, and technical excellence
- Contribute to the delivery of smart, sustainable, and resilient infrastructure

SUSTAINABILITY & INCLUSIVE ROAD NETWORKS

I am focused on applying sustainable and inclusive road design principles, ensuring that road networks:

- Serve all users (vehicles, pedestrians, public transport, people with disabilities)
- Integrate green spaces and environmentally responsible solutions
- Reduce long-term operational and environmental costs
- Enhance urban livability and safety
- Sustainable road design is a strategic priority in developed countries, as it improves quality of life, supports long-term economic efficiency, and aligns infrastructure with environmental goals.

References available upon request