

Hassan Raafat Abdelhady

Cost Control Engineer

Riyadh-Saudi Arabia

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Saudi Council of Engineers Member (1205464)

Professional Summary:

Results-driven Cost Control Engineer with solid experience in project cost control, quantity surveying, and budget management across large-scale governmental and commercial projects in Saudi Arabia. Proven expertise in BOQ preparation, cost estimation, cost monitoring, variance analysis, and monthly cost reporting. Highly proficient in Excel and Primavera P6, with strong analytical skills and hands-on experience supporting management decisions to ensure cost efficiency, budget compliance, and successful project delivery.

Education:

- Bachelor of Engineering (B.Eng.) – Civil Engineering
- The Higher Institute of Engineering, 15th of May City – Egypt
- Class : 2020
- Overall Grade : Excellent with Honors
- Graduation Project : Reinforced Concrete Design – Grade: Excellent

Experience :

❖ Cost Control Engineer— Abdulaziz Al-Hajaj Contracting Co., Saudi Arabia (Dec 2023 – Present)

- Supported the tender stage by preparing cost summary sheets, reviewing submissions, and assisting in bid evaluation to ensure alignment with target budgets and commercial strategy.
- Established and monitored project budgets and cost breakdown structures (CBS) as financial baselines.
- Reviewed subcontract agreements and purchase orders (POs), verifying quantities, rates, and commitments against approved project budgets and cost breakdown structures (CBS).
- Monitored and controlled overall project costs, including labor, materials, subcontractors, equipment, and overheads, ensuring compliance with approved budgets and cash flow forecasts.
- Prepared detailed cost breakdowns, cost estimates, and periodic budget updates for ongoing and new projects.
- Tracked actual project expenditures, performed cost variance analysis, and prepared Estimate at Completion (EAC) and Estimate to Complete (ETC) to forecast final project costs.
- Reviewed and verified interim payment applications, ensuring accuracy of quantities, rates, and contractual compliance prior to certification.
- Applied Earned Value Management (EVM) techniques to assess cost and schedule performance, calculate variances (CV, SV), and provide corrective action recommendations.
- Prepared monthly cost control reports, cost forecasts, and financial summaries for senior management.
- Evaluated variation orders and change requests, assessing their financial, budgetary, and contractual impacts.
- Coordinated with site, procurement, and subcontract teams to optimize costs, control commitments, and mitigate potential overruns.
- Provided accurate cost analysis and financial insights to support management decision-making and cost.

Projects Participated In:

Detention Building – Administrative Investigation Headquarters

- Location: East Riyadh, Saudi Arabia
- Client: Nazaha (Oversight and Anti-Corruption Authority)
- Consultant: House of Science Consulting Engineers

The Mews Project (Commercial Mall – 7 Floors)

- Location: Hittin, Riyadh
- Client: FAO Real Estate
- Consultant: AJI

❖ Site Engineer- Al-Arabia Real Estate Development & Contracting – Egypt (Jan 2021 - Nov 2023)

• Key Responsibilities:

- Supervised and monitored daily site activities to ensure progress matched the project schedule.
- Coordinated with subcontractors, consultants, and technical office teams to resolve on-site issues efficiently.
- Reviewed and provided feedback on shop drawings and construction documents before execution.
- Oversaw the site labor force, subcontractors, and materials to maintain quality and productivity.
- Provided technical advice and resolved construction issues on-site.
- Prepared quantity requirements and assisted in material take-off and cost tracking.
- Ensured compliance with project specifications, safety, and QA/QC procedures.
- Prepared daily and weekly progress reports to update project management.
- Assisted in monitoring project costs by tracking quantities, material consumption, and comparing actual usage with planned budgets.
- Supported the cost control and technical office teams in cost tracking, quantity reconciliation, and variation identification.
- Gained strong exposure to site measurement, quantity verification, and coordination with technical office teams.

• Projects Participated In:

- Electric Express Train Project (Culverts & Tunnel) – Marsa Matrouh
- Correctional and Rehabilitation Centers – 15th of May City

Internship Experience

❖ Site Engineer Intern — Educational Building Authority , Egypt (Jul – Oct 2018)

-Assisted in site supervision, concrete works, and finishing activities. Gained hands-on experience in reading drawings, preparing daily reports, and coordinating with contractors.

❖ Site Engineer Intern — Al-Marasem International for Development (Saudi Binladin Group)

(Jul – Oct 2019)

-Supported site engineers in project monitoring, quality control, and technical documentation. Participated in site meetings and progress tracking.

Course:

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| - 4D & 5D BIM | WAY+ Academy. | (Jan – Mar 2025) |
| - Cost Control Workshop | HA Management. | (Jan – Mar 2023) |
| - Prepare Site Engineer (Concrete & Finishing) | Benea Academy. | (Aug –Oct. 2019) |
| - Technical Office Course | Eng Mohamed Rehan. | (Jul – Aug 2020) |
| - BIM Diploma | Watad Company. | (Aug –Dec 2023) |

Technical Skills

Cost Control & Commercial Management

- Project Cost Control, Monitoring & Reporting
- Cost Estimation, Budgeting & Cost Breakdown Structure (CBS)
- Quantity Take-Off, Measurement & Cost Reconciliation
- BOQ Preparation, Review & Analysis
- Cost Variance Analysis & Cost Performance Monitoring
- Variation Orders, Change Management & Cost Impact Assessment
- Monthly Cost Reports, Forecasting & EAC / ETC Preparation
- Cash Flow Monitoring & Cost Forecasting
- Progress Tracking, Earned Value (EV) & Cost Reconciliation
- Coordination with Site, Procurement & Subcontractors Variation Orders

Data Analysis & Cost Reporting Tools

Microsoft Excel (Advanced): Cost analysis, forecasting models, dashboards, and financial reports.

Power BI: Developing interactive cost control dashboards to visualize budget vs actual, cost variances, EAC/ETC forecasts, cash flow trends, and management KPIs to support decision-making.

Computer Skills:

BIM & 5D Cost Software

- Autodesk Revit - Navisworks.
- Dynamo (for automating quantity extraction, data structuring, and model-based cost workflows)
- CostX (Currently learning – 5D quantity take-off & cost integration).

CAD & Drafting Support

- AutoCAD 2D- AutoCAD Structural Detailing (ASD) - Cut Optimization

Project Management Software:

- Primavera P6

Structural Analysis & Design Software:

- CSI ETABS - CSI SAFE - CSI SAP2000 -CSI Column - SP Column

Office Tools:

- Excel, Word, PowerPoint

Languages:

- Arabic: Native language
- English: Very Good

Personal Information:

- Nationality: Egyptian
- Military status: Exempted
- Date of birth: 18/09/1997
- Social status: Single