

**Mahmoud Naguib Ahmed Elrefaiy**

**Al Khobar, Saudi Arabia**

**Mobile: (+966) 551882031**

**Mechanical Senior Estimation and Purchasing Engineer**

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### **OBJECTIVE**

Achieving my own career goals by obtaining a challenge in multi-national or local company where opportunities for learning and scope of rapid growth and development exist.

### **EDUCATION**

- ↗ BSc. of Engineering.
- ↗ Department: Mechanical Power Engineering
- ↗ Graduation Year: 2011
- ↗ University: Menoufia
- ↗ Graduation Project: Studying the performance of Centrifugal pumps and analysis of the pipes networks
- ↗ Project Grade: Excellent.

### **EXPERIENCE**

- **Senior Mechanical Estimation Engineer (HVAC – Fire Fighting – Plumbing – BMS – Infrastructure - Fuel Systems – Hot Water Systems).**

- ↗ July 2023 Till now: **Rawabi Specialized Contracting Co. (RSCC) (Al Khobar – Saudi Arabia)**

Please visit: <https://www.rawabi.com/companies/rawabi-specialized-contracting>



روابي للمقاولات المتخصصة  
RAWABI SPECIALIZED CONTRACTING

Reporting to Proposal Manager.

### **Estimation and Technical Engineer Tasks:**

- ❖ Supervise drafted cost sheet for projects.
- ❖ Analyze tendering drawings and other documentation to prepare time, cost, materials, and labor estimates and responsible for the preparation of complete and accurate estimates of all material cost and field labor in accordance with established methods.
- ❖ Prepare estimates for use in selecting vendors or subcontractors
- ❖ Have meetings with site engineers, consultant engineers and subcontractors on changes and adjustments to cost estimates.
- ❖ Maintain a directory of suppliers, contractors and subcontractors.
- ❖ Negotiate suppliers and insist on getting the best offers.
- ❖ Follow up with suppliers 'offers and study the received offers from technical and financial points of views also a compliance sheet has to be filled by engineers to show the selection.
- ❖ Review material and labor requirements to decide whether it is more cost-effective to construct or sub-contract Components.
- ❖ Follow and maintain the filing structure and document numbering to comply with Company Document Control procedures.
- ❖ Insure that Company cost estimate complies with the tender (consultant) specs and standards.
- ❖ Coordinate with mechanical department to have special offers from some suppliers in case they already had worked with it.
- ❖ Estimate Direct Cost, Indirect Cost and calculate the net profit for all projects.

- **Client working with in Saudi Arabis:**

AMAALA – NEOM – ARAMCO – Red Sea – SWCC & NWC – Royal Commission (RC) – Private sectors.

- **Team Leader Estimation Engineer (HVAC – Fire Fighting – Plumbing – BMS – Infrastructure - Fuel Systems – Hot Water Systems).**

📌 October 2018 Till July 2023: **Rowad Modern Engineering Company (RME) (New Cairo- Headquarter)**



Please visit [www.rowad-rme.com.eg](http://www.rowad-rme.com.eg)

Reporting to Proposal Manager.

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- **Estimation and Purchasing Engineer (HVAC – Fire Fighting – Plumbing – BMS - Light Current).**

📌 September 2015 Till October 2018: **Pro-service Company (Nasr City - Headquarter)**

*A leading MEP Contracting and trading Group of companies founded in 1998, with four leading branches in Egypt and Qatar.*

Please visit [www.proservice.com.eg](http://www.proservice.com.eg)

### **Estimation and Technical Engineer Tasks:**

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### **The Projects under construction since September 2015 till now:**

- ❖ Firefighting & Fire alarm works -Beyti Abou Rawash Distribution Center.
- ❖ Firefighting & Fire alarm works & HVAC -Beyti Qatamia Distribution Center.
- ❖ MEP works –JAC Cars Exhibition, maintenance & trading center.
- ❖ MEP works –Production line for Cake in Hall 2.
- ❖ Firefighting & Fire alarm works & HVAC -Beyti Sharkia Distribution Center.
- ❖ HVAC works - Design and Build Beyti Mansoura Distribution Center.
- ❖ MEP works - MARS AREA Phase one for Agility Warehouse in Egypt.
- ❖ HVAC, Fire Fighting and Electrical works - Design and Build ON TV Studio (New Studio, Offices, Control & Machines Rooms).
- ❖ HVAC works - Design and Build ON TV Studio (New Offices).
- ❖ Pfizer- Install Dehumidifier.
- ❖ MEP works -World Bank 29th and 8th floor in Nile City.
- ❖ HVAC works- Schneider Data Center -MOD Cairo Proposal 1.
- ❖ HVAC works- Schneider- ZOHR Project Shelter 1, 2, 3,4,6,7 & 8.
- ❖ HVAC works- Schneider Data Center –Zohr RMU Project.
- ❖ Civil & MEP works – RKW warehouse 6 Oct.
- ❖ MEP works- Cairo American College phase three.
- ❖ MEP works - MARS AREA phase two for Agility Warehouse in Egypt.

#### **➤ Mechanical Site & Purchasing Engineer (HVAC – Fire Fighting – Plumbing).**

📌 October 2013 Till September 2015: **Union MEP Contracting Company (Nasr City).**

### **Site & Technical Office Engineer Tasks:**

- ❖ Site Engineer in uptown Cairo as subcontractor from HASSAN ALLAM Construction Company for HVAC works.
- ❖ Prepare shop drawing for HVAC works.
- ❖ Check the calculations and design to ensure that design will achieve the performance required after occurred modifications as per site condition.
- ❖ Make survey for all components for HVAC system and perform purchasing order from supplier.
- ❖ Coordinate all MEP works inside site.
- ❖ Execute all HVAC works and make monthly Invoice for installed works.

### **Site & Technical Office Engineer Tasks:**

- ❖ Site Engineer in Al-Ahly National Bank in Alexandria in three Branches (Elhanoveel – Elkabary – Sedi Beshr) for Fire Fighting Works as subcontractor from ALBena Limited Construction Company.
- ❖ Prepare shop drawing for Fire Fighting works.

- ❖ Check the calculations and design to ensure that design will achieve the performance required after occurred modifications as per site condition.
- ❖ Make survey for all components for Fire Fighting system and perform purchasing order from supplier.
- ❖ Coordinate all MEP works inside site.
- ❖ Execute all Fire Fighting works and make monthly Invoice for installed works.

#### Site Engineer Tasks:

- ❖ Site Engineer in CIB Bank in Smart) for Plumbing Works as subcontractor.
- ❖ Revise shop drawing for Plumbing works.
- ❖ Check the calculations and design to ensure that design will achieve the performance required after occurred modifications as per site condition.
- ❖ Make survey for all components for Plumbing system and perform purchasing order from supplier.
- ❖ Coordinate all MEP works inside site.
- ❖ Execute all Plumbing works and make monthly Invoice for installed works.

#### ➤ **Maintenance and Installation Engineer.**

📅 January 2013 Till September 2013: **Elsweedy' Electric Group (10<sup>th</sup> of Ramadan City)**

#### Maintenance & Installation Engineer Tasks:

- ❖ Mechanical Maintenance Engineer in Elswedy' Factory, responsible for operation of all Factory Equipment ,revise Stores for spare parts and make purchasing order for required spare parts.
- ❖ Responsible for periodic, preventive and annual Maintenance.

#### Courses

- 📅 Building Information Modeling (BIM) for MEP Diploma.
- 📅 Power and Electrical Distribution.
- 📅 Light Current design and shop drawing.
- 📅 DIPLOMA in (HVAC systems & Fire Fighting systems & Plumbing systems).
- 📅 PRMG 20 (Project Resources and cost estimation) in AUC.
- 📅 AUTOCAD design course.
- 📅 Advanced course in English conversation at Egyptian Syndicate of Engineer.
- 📅 Advanced course in Excel Worksheet at Egyptian Council for training and development.
- 📅 ICDLcourse.

#### SUMMER TRAINING

- (2011) **Site Engineer in HVAC field in Alofok for contracting.**
- (2010) **Site Engineer in HVAC field with installation subcontractor.**
- (2009) *Mechanical Workshop of my college in the field of (HVAC)*

#### SKILLS

##### **Computer Skills:**

- 📅 Professional User of MS Office and Internet surfing.
- 📅 ICDL (self-studying).
- 📅 Microsoft Excel 2013 –Advanced Course..

##### **Language Skills:**

- 📅 Native language Arabic.
- 📅 Excellent command of both written and spoken English.

## **Communication Skills:**

Soft skills including:

- ↗ Ability to work under pressure.
- ↗ Ability to work in teams and individual
- ↗ Ability to manage the time
- ↗ Ability to analyses and decompose the system.
- ↗ Surfing the internet
- ↗ Business writing.
- ↗ Time Management.
- ↗ Problem solving.
- ↗ Decision making

## **INTEREST**

Reading Novels, Music, Writing, Swimming and walking.

## **PERSONAL INFORMATION**

↗	Date of Birth:	26/01/1989
↖	Nationality:	Egyptian