

Curriculum Vitae



Eng. Reda Mahmoud Sobeh

G.2005

Surveying Engineer +20 exp.

- B.SC in Surveying. (Faculty of Engineering at Shoubra)
- Surveying Manager. (Current Position)
- Q.S. Engineering.
- All Shop Drawings Production.
- Technical Office Expertise.
- Roads, Infrastructure, Water Berths, Railways, Bridges, Tunnels and Construction Projects Experience.
- Administration Of All Surveying Works in Projects.
- Owner, Contractor, and Consultant Experience.
- Professional Autodesk, MS-Office, Computer Skills.



Career Objective

-Striving Constantly for The Vocational Progress Scientifically and Practically.
I Focus on What Can Be Done, and I Make Things Happen!
When Challenges Appear, I Keep Going, Every Time I Take My Career to The Next Level of Experience.
-Proficiency and Implementation of all Areas of Surveying Works Generally:
-Plane Surveying.
-Topographic Surveying.
-Engineering surveying.
-Geodetic Surveying.
-Hydrographic Surveying.
-Land surveying.
-Triangulation Control & Traverse Surveying.
-Quantity Surveying.
-Etc...



Personal Details

Address	Arab Rep. of Egypt – Cairo Governorate – Shourok City
Date of Birth	11 November 1981
Marital Status	Married
Military Status	Permanently Exempting
Health Condition	Excellent and Non-Smoker
Cell Phone&WhatsApp	(0109 449 6503) & (0122 669 4825)
Driving License	Available
E-mail Address	redasobeh@gmail.com redasobeh@hotmail.com redasobeh@yahoo.com



Education

University	Graduated From (Benha) University
Website	(>>>: bu.edu.eg/en/) (>>>: en/wiki/Benha_University)
Faculty	Faculty of Engineering at Shoubra
Website	>>>(en/feng.bu.edu.eg/)
Degree	B.SC.
Major	Surveying
Year	2005
Grade	Fair
Project_Evaluation	Good



-A group of courses have been completed in the fields of various surveying programs and devices and project management.



Proven Methodology

- **Tertiary** qualifications in Engineering Surveying (B.SC.).
- **Extensive** post graduate surveying experience.
- **In-Depth** Knowledge of Computer Operations Including the Latest Application Program (AutoCAD & Civil 3D) Operations and other similar. software related to surveying.
- **Excellent** Performance on the Different Devices of Surveying Works as (G.P.S., Total Station & Level Machines).
- **Knowledge** of Engineering Instruments Such as Leica, Trimble, Topcon, Pentax, Nikon.
- **All** aspects of Surveying Using the Latest Technology Including GPS.
- **Good** Command in the English Language (Both Oral and Written Communication).
- **Able** to Work Independently and Efficiently to Meet Deadlines.
- **Able** to Work Under Pressure and Ability to work alone and hit the ground running.
- **Able** to Promptly Answer Support Related Email, Phone Calls, and Other Communications.
- **Experience** with Survey Hardware and Software Issues.
- **Good** IT skills.
- **Proficient** in the Internet Related Applications Such as E-Mail Clients.
- **Excellent** Communication (Oral and Written), Interpersonal, Organizational, And Presentation Skills.
- **Able** to Learn the Newest Technology of Surveying.
- **Ability** to meet work responsibilities.
- **able** of self-learning, multi-potentiality, self-coaching, self-awareness, general awareness, critical thinking.
- **Self-Motivated** and organized.
- **A good** work ethic and a positive.



Training Courses

-(JULY/2006) Training Course (85 Hours) at (Egyptian Survey Authority) Including:

- 1
 - TOTAL STATION {TOPCON}.
 - Global Positioning System [G.P.S].
 - AutoCAD Map.

(➤➤: [Egyptian Survey Authority](#))

-(AUG./2006) Training Course (40 Hours) at (Utility Data Center of Qalyubia Governorate [Q.U.D.C] Appendant to { Ministry of Local Development (MLD).} Including:

- 2
 - SDR mapping and design Software.
 - TOTAL STATION, LEVELS and G.P.S.
 - Different Detection Devices of Utilities (Radio detection devices).
 - RD400 detector. (➤: [Website](#))
 - Metrotech Detector. (➤: [Website](#))

(➤➤: [Qudc.net/](#))

-(JAN./2011) Training course (16 Hours) at (Riyadh Municipality) by ALBOKSOMATTI for Surveying CO. - The Official Authorized Agent of Japanese Sokkia CO. Including:

- 3
 - TOTAL STATION {Sokkia SRX}. (➤: [Website](#))
 - G.P.S. JAVAD TRIUMPH-1. (➤: [Website](#))

(➤➤: [Al Boksomatti for Surveying instrument Co.](#))



- 4 -(JAN./2016) Training Course (35 Hours) at (AL-Khobar) by (Knowledge Steps Training Center) Under (the supervision of the General Organization for Technical and Vocational Training) in:
- Project Management Professional (PMP).
- (➤➤: [Knowledge Steps Training Center Facebook](#))

- 5 -(FEB./2016) Training Course (40 Hours) by (British Council) at (AL-Khobar) In:
- English Language Programme (Conversation-Reading-Writing-Listening)
- (➤➤: [British Council](#))

- 6 -(NOV./2017) Training Course (80 Hours) by (Benea Academy for Consulting&Engineering Trainings) at (Cairo/Egypt) Including:
- Advanced Technical Office Course: Included:-
 - Management of Construction Projects. Shop Drawings.
 - Construction Contracts, FIDIC Contracts.
 - Project Planning.
 - Construction Quantities Surveying.
 - Steel Quantities.
 - Pricing.
 - Invoices, Project Documents.
 - Communications and Correspondence in The Project.
- (➤➤: [Benea Academy](#))

Projects & Special Skills

➤ **11.Egypt (Railways Project)**

PERIOD	From (March 2023) Up to (Present 2025)	
EMPLOYER	Samcrete: Engineers & Contractors No.8 Mansouria Rd., Haram, Giza, Egypt. Tel: +202 3389 1100 Fax: +202 3386 8686 Email: info@samcrete.com (➤➤: samcrete.com)	
CONSULTANT	Egyptian National Railways ENR No.6 Ramses Square - Downtown - Cairo – Egypt Email: TKTSupport.web@enr.gov.eg (➤➤: enr.gov.eg/En/)	
CLIENT	Egyptian National Railways ENR No.6 Ramses Square - Downtown - Cairo – Egypt Email: TKTSupport.web@enr.gov.eg (➤➤: enr.gov.eg/En/)	
VALUE	1,100,000,000 EGP.	
POSITION	Surveying Manager. (Project Surveying Dept. Manager)	

PROJECT	Construction&Development of Railways Lines (Al-Fardan-Bir Al.Abd-Ras Al Nakb) (➤➤: Project Location ♀)
---------	--



➤ 10.Egypt (New El-Alamein City Projects)

PERIOD	From (February 2021) Up to (March 2023)	
EMPLOYER	<p>Samcrete: Engineers & Contractors No.8 Mansouria Rd., Haram, Giza, Egypt. Tel: +202 3389 1100 Fax: +202 3386 8686 Email: info@samcrete.com (➤➤: samcrete.com)</p>	
CONSULTANT	<p>Misr Consult - Engineering House of Expertise No.72 Gamet El Dewal Str, Mohandiseen, Giza, Egypt (➤➤: misrconsult.com/)</p>	
CLIENT	<p>Industrial Development Group IDG ICONIA Zamalek - 16 Mohamed Thakib Street, Cairo, Egypt Email: info@idg-egypt.com (➤➤: idg-egypt.com/)</p>	
POSITION	Surveying Manager. (Project Surveying Dept. Manager)	
PROJECTS	<p>1.The Latin Settlement (New El-Alamein City) (Roads - Construction - Landscape). (➤➤: Project Location ♀) 2.Industrial Park Project (New El-Alamein City) (Roads – Landscape). (➤➤: Project Location ♀)</p>	



➤ 9.Egypt (Sheikh Zayed City Central Park Project)

PERIOD	From (July 2020) Up to (February 2021)	
EMPLOYER	<p>Samcrete: Engineers & Contractors No.8 Mansouria Rd., Haram, Giza, Egypt. Tel: +202 3389 1100 Fax: +202 3386 8686 Email: info@samcrete.com (➤➤: samcrete.com)</p>	
CONSULTANT	<p>SITES INTERNATIONAL Landscape Architects of the Middle East Sites International – Zip code 12561 – Giza – Egypt Email: sites@sites-int.com (➤➤: sitesint.com/)</p>	
CLIENT	<p>Ministry of Housing, Utilities & Urban Development New Urban Communities Authority</p>	
POSITION	Surveying Manager. (Project Surveying Dept. Manager)	
PROJECT	Sheikh Zayed City Central Park. (➤➤: Project Location ♀)	



➤ 8.Egypt (New East Port Said City&Industrial Zone Projects)

PERIOD	From (January 2018) Up to (July 2020)	
EMPLOYER	<p>Samcrete: Engineers & Contractors No.8 Mansouria Rd., Haram, Giza, Egypt. Tel: +202 3389 1100 Fax: +202 3386 8686 Email: info@samcrete.com (▶▶: samcrete.com)</p>	
CONSULTANT	<p>Environmental&Civil Engineering Consulting Center Enviro – Civec No.14 Makram Ebeid St., Nasr City - Cairo – Egypt Fax: 02-22705236 Email: info@envirocivec.com (▶▶: facebook.com/p/Enviro-Civec)</p>	
CLIENT	<p>Ministry of Housing, Utilities & Urban Development New Urban Communities Authority</p>	
VALUE	415,000,000 EGP.	
POSITION	Surveying Manger. (Project Surveying Dept. Manager)	
PROJECTS	<p>1.East Port Said New City - The Million City (Social Housing Project) (Construction of roads, integrated infrastructure and landscape).(▶▶: Project Location ♀)</p> <p>2.Administrative buildings in the industrial zone in East Port Said (Roads - Construction - Landscape).(▶▶: Project Location ♀)</p>	

Projects Description:

8. East Port Said Zone Projects:

These are integrated projects that include (New East Port Said City (Million City) - Industrial Zone - East Port Said Port), and are geographically located in North Sinai on an area of 851,844 m2. They are based on the construction of main, secondary and service roads with a total length of 21 km (main roads up to 10 km - secondary roads up to 6 km - service roads up to 5 km), and an integrated infrastructure network (water - sewage - rain drainage - irrigation - electricity - communications):

- A network of water lines with different diameters ranging from 63 mm to 1000 mm.
- A network of sewage lines with different diameters ranging from 225 mm to 1600 mm.
- A network of irrigation lines with different diameters ranging from 50 mm to 350 mm.
- A network of rain drainage lines with different diameters ranging from 300 mm to 700 mm.
- Elec. lines network (low voltage - medium voltage - road lighting - pillars - transformers - electricity distributor building - 400 mm cables).

In addition to constructing administrative buildings for the development of the East Port Said area.

9. The central park project:

This is a national project in Sheikh Zayed City on an area of 273,000 square meters, includes large areas of landscaping, restaurants and others.

10. (New El-Alamein City) Projects:

1.The “e² El Alamein” industrial complex is the first industrial complex to be managed on the basis of a comprehensive sustainability approach in the new city of El Alamein, and the third project on the ground by the Industrial Development Group (IDG), a leader in establishing, operating, managing, and maintaining advanced industrial zones. Industrial Park Project (El-Alamein City) is including the construction of Interlocking Concrete roads,

utilities, water, Irrigation, Storm and sewage infrastructure Networks, In addition to construction of administrative buildings for the development of Industrial Park at El-Alamein City.

2. The Latin Quarter project in New Alamein was designed in the ancient Roman style and includes commercial malls, entertainment and basic services. The project area is about 450 acres.

11. Al-Fardan Bridge - Bir Al-Abd Railway Project:

The first phase of the project starts from Al-Fardan Bridge to Bir al-Abd with a length of 100 km, while the second phase extends from Bir al-Abd city to Arish with a length of 80 km, and the third phase extends from Arish to Rafah with a length of 45 km.

The total length of the railway line is 225 km from Ismailia-Arish-Rafah, and the line includes the construction of 8 stations from Al-Fardan to Bir al-Abd with a length of 100 km as a first phase, and the second phase is 125 km long and includes the construction of 7 stations, in addition to the East Port Said Railway, which extends from the main track until it reaches the East Port Said Port with a length of 50 km.

Work Responsibilities:

1. **Management** of all survey works in the various projects.
2. **Construction** of road networks (main roads, local roads, service roads) and infrastructure networks in East Port-Said City and Industrial Zone.
3. **Construction** a network of H-V Control Points (horizontal and vertical), with the necessary correction for traverses.
4. **Implementing** PLAN-PROFILE designs for roads.
5. **Implementing** accurate and clear plans and cross sections.
6. **Making** the Grid Levelling necessary for the entire project and delivering to the consultant.
7. **Calculation** of final quantities, monthly invoices via (Civil 3D).
8. **Follow up** excavation and backfilling works using Excel charts.
9. **Extracting** and providing all survey sheets to surveyors for surveying, implementation and setting-out.
10. **Calibration** of Surveying devices and doing periodic maintenance.
11. **Full** coordination and follow-up of the cadre team of surveyors and assistants.
12. **Producing** Shop Drawings for projects showing the coordinates and levels required to work in the field.
13. **Calculation** quantities for subcontractors and preparation of current and final Invoices.
14. **Calculation** quantities for Landscape works.



7.Egypt (Cairo City & Port Said City)

PERIOD	From (January 2017) Up to (January 2018)	
EMPLOYER	Atlas General for Investment& Construction Co. Cairo&Portsaid Tel. &Fax: 02 24176146 Email: atlascairo.co@gmail.com (▶▶: linkedin.com/atlasegy)	
CONSULTANT	(VARIABLE)	
CLIENT	(VARIABLE)	
VALUE	(VARIABLE)	
POSITION	Senior Surveying Engineer. (Surveying Department Manager). (Main Contractor)	
PROJECTS	① Construction Of 22 Residential Buildings Owned by Port Said Governorate in The New Al-Qabouti Area South of Port Said. (▶▶: Project Location ♀)	
	② Construction project of the (Dijlah Towers) towers in Nasr City. (▶▶: Project Location ♀)	

③ **Construction Of 6 Residential Buildings Owned by The Cooperative Society for Construction and Housing for Tax Officials in The Andalusia Sector in New Cairo.**

(▶▶: [Project Location ♀](#))

④ **Construction Of Al-Farouk Residential Complex for Teachers Belongs to The Cooperative Society for Building and Housing for The Members of The Educational Professions Union in The Area of Mr. Hashim Al-Hajjaj Street in Suez Governorate.**

Projects Description:

Atlas General Contracting Company:

is one of the most distinguished companies in terms of performance and expansion in all contracting, engineering and real estate works in various fields, whether in Egypt or abroad because it enjoys a specialized and distinguished work team in all areas required for running the work.




The company is engaged in public works (construction) social housing projects, which is one of the most important national projects in the current period, as well as covering all the provinces of the state and draws all the energies of government agencies, and Atlas General Contracting Company assumed a prominent role in these national projects and participate in the implementation of several (Cairo, Port Said, Giza, Suez).

Work Responsibilities:

1. **Management** of the current projects as a Surveying, supervision, and follow-up on a surveying team (surveyors and assistants) in terms of the work of periodic maintenance of Surveying equipment (Total Station, Levels, GPS) and preparing of the drawings required to setting-out and as-built drawings for various stages.
2. **Preparing** of Shop Drawings for all of the surveying works and directing architectural and construction Drawings to as-built Surveying on the site, commensurate with the location and direction of the project.
3. **Determination** of the architectural zero level as specified in the approved Drawings, completion of the work and the identification of the depths of the drilling up to the establishment level.
4. **Receive** the grid levelling of the project's sites, work on the Surveying points and determine of the quantities of Excavation and filling of the foundations.
5. **Create** a closed traverse around the project site, correct it and then hand it over to the surveyors as Base Lines points to complete the work.



6. Kingdom of Saudi Arabia (Dammam City)

PERIOD	From (October 2012) Up to (November 2016)	
EMPLOYER	East Consulting Engineering Co. Riyadh 11441 P.O. Box 1973 Tel. 0114772215 Fax: 4777145 (▶▶: ecec.com.sa)	
CONTRACTOR	HUTA-HEGERFELD Saudi Ltd. <u>Head Office:</u> Lotus Building, Prince Sultan Street, Al-Zahra's District Jeddah, Saudi Arabia (▶▶: facebook.com/hutagrouppofficial/)	
CLIENT	KINGDOM OF SAUDI ARABIA PORTS AUTHORITY King Abdul Aziz Port, Dammam (▶▶: mawani.gov.sa)	
VALUE	169,000,000 Saudi Riyal.	

POSITION	Surveying Engineer. (Consultant Engineer)
PROJECT	CONSTRUCTION OF TWO DEEP WATER BERTHS FOR HANDLING BULK CARGO. (➤➤: Project Location ♀)

Project Description:

The Kingdom of Saudi Arabia Ports Authority:

is expanding the capacity of the King Abdul Aziz Port at Dammam by the construction of two additional deepwater berths (38 and 39), Huta is the marine Contractor of the project, the details design of the quay walls was conducted by COWI Office in UAE www.cowi.com/, with headquarters located in Lyngby, Denmark.

Both of the proposed quay walls are 26.68 m high from the seabed to the top of the capping block and around 620 m each in length. They will be constructed using a Precast mass concrete blocks placed as pillars with 205 columns, and the number of concrete blocks in each column is 10 mass concrete blocks.

The quay wall was designed according to three structural models according to the geotechnical research and design reports. Each model differs from the other in the structural depth below the sea surface. Multiple and long loading tests (Pre-Loading) were conducted on the quay after its completion.

Two layers of rock filter rocks protection were constructed with graduated gradients of coarse and soft rocks, and the back filling was deposited behind the wall with a total of 496,000 m³.

In addition, a scour protection layer was placed in front of the quay wall with large rocks with a total quantity about 7,000 m³.

Work Responsibilities:

1. **Monitoring** all surveying works in the project.
2. **Coordinate** the testing and inspection of activities for works undertaken, ensuring quality aspects of meet or exceeds required standards.
3. **Preparing** surveying reports (Daily, weekly, monthly).
4. **Monitoring** the backfilling behind the berth and following its quantities.
5. **Construction** of Survey Control Points.
6. **Create** a closed traverse of control points around the project and correct it with (CIVIL 3D)
7. **Verification** of the accuracy of total station and level machines.
8. **Monitoring** Dredging Works of Quay Wall Trench.
9. **Processing** data taken from the hydrographic survey and displaying them in the form of points, levels, longitudinal and transverse sections of the quay wall trench, and preparing a grid budget, contour and topographic map for the Seabed
10. **Carry** out "as built" surveys.
11. **Provide** field surveys and quantity calculations.
12. **Intraday Inspections (R.F.I.)** for all works in the project and ensure matching it with the design:
 - 1) **Dredging** Works.
 - 2) **Geotextile** Installation Works.
 - 3) **Foundation** Installation (Rocks Class F&G) Works.
 - 4) **Blocks** Installation Works of Quay wall (2215 Blocks).
 - 5) **Capping Beam** Construction Works.
 - 6) **Fascia** Installation Works.
 - 7) **Backfilling** Works.
 - 8) **Scour** Protection Installation Works.
 - 9) **Bollard** Installation works.
 - 10) **Fenders** Installation Works.
 - 11) **Pre-loading** Test.
 - 12) **Settlement** Monitoring.
13. **Works of Hydrographic Surveying for:**
 - 1) Quay Wall Trench (**Dredging**) (620 m length).
 - 2) **Initial** Hydrographic Surveying before Dredging.
 - 3) **Final** Hydrographic Surveying after dredging.
 - 4) **Scour** protection Hydrographic Surveying (Initial-Final).
 - 5) **Rock** Filling Class F Foundation of Quay Wall Trench.
 - 6) **Rock** Filling Class G Blanket Under Quay Wall Column.

14. Calculating of Quantities of all Projects Items:

- 1) **Dredging**.
- 2) **Rock** Filling Class F.
- 3) **Rock** Filling Class G Blanket.
- 4) **Rock** Filling Class D.
- 5) **Rock** Filling Class E.
- 6) **Backfilling** behind of Quay Wall.
- 7) **Rock** Filter Class E (Coarse, Fine).
- 8) **Scour** Protection Rocks Class H Front of Quay Wall.
- 9) **Geotextile** of (Quay Wall Trench & Rock Filter)



5. Kingdom of Saudi Arabia (Riyadh City)

PERIOD	From (June 2010) up to (July 2012)	
EMPLOYER	Jwan IT & Construction Co. (Hereafter: 4Explain) PO Box 89 062 11 682 Riyadh Phone: + 966 - 11 - 2253338 Fax: +966 -11-2253979 (>>>: 4explain.com)	
CLIENT	The Ministry of Municipal and Rural Affairs, AL Riyadh Municipality, General Administration of Urban Planning, Naming & Numbering Administration. (>>>: alriyadh.gov.sa/en/)	
VALUE	10,000,000 Saudi Riyal.	
POSITION	Surveying Manager. (Manager of Surveying Office). (Owner-Contractor)	
PROJECT	Operation and maintenance of the surveying environment in the sub-municipalities and departments affiliated with the Riyadh Region Municipality. (>>>: Project Location ♀)	

Project Description:

Naming and numbering administration:

in Riyadh Municipality has launched this project in order to raise the scientific and practical level of its staff to prepare the environment of surveying sections in the sub-municipalities and administrations in Riyadh Municipality [15 sub-municipalities and 6 Administrations] for the maintenance and operation of computers, printers, software and geographic information systems (GIS) and engineering and surveying Software and maintenance of surveying devices and organize training programs to raise the efficiency of its staff to the hardware, software and training for all kinds of surveying works, scheme and work budgets and calculate cut and fill quantities and to other surveying operations, that from through crew of surveyors for field survey and surveying engineer for the supervision and follow-up and entrances data of qualified technicians and programmers (GIS).


Work Responsibilities:

1. **Leadership** a crew of Surveyors for doing Training Courses (Total Stations – G.P.S. – Level Machines) in Sub-Municipalities and administrations.
2. **Manage** and maintain surveying equipment.
3. **Provide** advice on engineering survey and other geospatial information acquisition issues.
4. **Supervision** of Accuracy of Different Survey Devices (G.P.S. – Total Station - Levels)
5. **Monitoring** Training Courses in Sub-Municipalities and administrations.
6. **Preparing** for Final Reports of Training Courses Progress.
7. **Preparing** of series of Guidebooks for all Surveying programs & Devices:

- 1) A **book** explaining the Geomedia program.
 - 2) A **book** explaining the AutoCAD program.
 - 3) A **book** explaining the MicroStation program.
 - 4) A **book** explaining how to work on the Total Station.
 - 5) A **book** explaining how to work on the GPS.
 - 6) A **book** explaining how to work on the surveying imaging device.
8. **Management** of the Surveying Teams (3 Surveying Teams) To do Surveying of Riyadh city sketches in the Various Places, then Exporting surveying points to Excel, AutoCAD and G.I.S. software for Extracting the final map.
 9. **Transferring** surveying points files from total station to Excel and processing it to arrive at the last shape of points as (x-y-z).
 10. **Making** A final drawing Sheets for all Sketches by exporting points from excel to AutoCAD and processing it to make A final AutoCAD drawing for each area shown on it all of the details of the area, then deliver it to G.I.S. office for completing work.
 11. **Projection** surveying points on (google earth program) by (global mapper Program) for knowing its places precisely on the ground.
 12. **Also**, Projection surveying points on (Geomedia program) and (MicroStation Program).
 13. **Conducting** field visits to work sites.
 14. **Communicating** with various municipalities and departments covered by the project to determine the extent of the success of the work.
 15. **Providing** surveying crews (specialized in surveying) with surveying control points (horizontal and vertical) at their work site when survey on ground.
 16. **Conducting** periodic evaluations in municipalities and departments for groups receiving surveying training.



↘ 4. Kingdom of Saudi Arabia (Jeddah City)

PERIOD	From (April 2009) Up to (May 2010)	
EMPLOYER	<p>Jeddah Municipality. Baghdadiyah Gharbiyah District - Amanah Street - Jeddah - Kingdom of Saudi Arabia T.: +966 12 614 9999 Email: ecd@jeddah.gov.sa (▶▶: facebook.com/JeddahAmanah/)</p>	 أمانة محافظة جدة
CLIENT	<p>The Ministry of Municipal Rural Affairs & Housing (▶▶: momah.gov.sa/en)</p>	 وزارة الشؤون البلدية والقروية والإسكان Ministry of Municipal Rural Affairs & Housing
VALUE	Governmental entity.	
POSITION	Surveying Engineer. (Owner - Consultant)	
PROJECTS	<p>1. Working at Management of Organizational Sketches. 2. Working at Management of Surveying. 3. Working at Management of Surveying development and technical. (▶▶: Project Location ♀)</p>	



Job Description:

-Management of Organizational sketches:

is doing all kinds of sketches (electronic and paper) and the preparation of precise sketches and inclusive of all lands that were not have sketches includes limits property lines and subdivision and adjacent buildings and details surrounding and also coordinate with (the survey administration) to survey all sketches on the ground and coordinating with property management and land issues for resolving conflicts, (the management of the development and technology of Surveying) is providing Information of the main Surveying control points that were established in the whole of Jeddah to the management of organizational sketches and The management of Surveying.

-Management of the development and technology of Surveying:



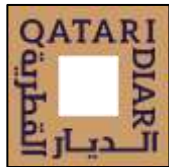

manages the system of the Fixed stations of Jeddah Municipality By two main procedures: (the first) called Virtual Reference Station (VRS), which means the possibility of determining the coordinates of the surveying points in the locations simultaneously during surveying works without the need for processing of field measurements and the system is downloaded in this way by (GPRS). The second method is called PPK data analysis. Field surveying is carried out first and then in the office by entering Jeddah Municipality stations website and downloading the necessary data to process the field measurements.

Work Responsibilities:

1. **Auditing** of maps and surveying sketches, Inspection of Surveying works or stake out, and inspection of the validity of surveying linkage and validity of map or sketches in the coordinate system of Jeddah Municipality.
2. **Management** of the fixed stations system by method (VRS) to obtain the coordinates of the sites and to determine the locations.
3. **Checking** the data of surveying sketches provided as matching the engineering drawings with the site data according to the deed and on the ground, in addition to verifying the validity of the lengths of the sides and areas of the site, and the validity of matching of the deed with the ground.
4. **Detecting** of a large number of errors, irregularities and irregularities in the surveying sketches provided, such as errors in the areas and lengths of the sides in the field or deed data table other than in the drawing, as well as errors in drawing the traverse of the site and its area in proportion to the scale of drawing.
5. **Identify** paths and street widths, deliver a site or split a deed location into two parts, modify or add to a single deed.
6. **Making** and organization of sketches; **Control of Drawings provided by engineering offices to conform to the standards of Jeddah Municipality.**
7. **Modified** of the legal deed; **Request for Changing of an existing deed for its violation of as-built Drawings.**
8. **The** integration of deed; **Merging of two adjacent pieces into one deed with total dimensions for the whole two pieces.**
9. **Modify** the use of the site; **Such as changing the usage from residential to commercial or vice versa.**
10. **Adopt** the position of public services outside the divisional charts; **Inclusion of places not included in the approved subdivision plans and their adoption.**
11. **Separate** units, duplex villas; **(Reverse Deeds Merging) Split one piece with one deed into two pieces with two separate deeds.**
12. **Decisions** applying of housing units; **For organizing the widths of streets adjacent to residential units and their facilities and services.**
13. **Separation** of deeds; **Separation of one deed to one owner for one piece to more than one owner and more than a piece.**
14. **Study** and modify the building rules; **Based on as-built drawings.**
15. **Sorting** and the division of lands; **Implementation of land division.**
16. **Releasing** of the site; **The implementation of a license to build and download the boundaries of the site on the ground.**
17. **The** adoption of the divisional sketches; **by adding places not covered by them.**
18. **Modified** of the divisional sketches.
19. **Separate** interference deeds (Dual Ownership).
20. **Apply** a grant or compensation for a grant by an administrative decision.



3.State of Qatar (Dukhan City)

PERIOD	From (January 2007) Up to (September 2008)	
EMPLOYER	<p>Al Huda Engineering Works Co. (AHEW) P.O. BOX-17015, Doha, Qatar Tel: +974 44694890, 1, 2, 3 Fax: +974 44680020 (➤➤: alhudaengineering.com/)</p>	
CONSULTANT	<p>Cansult-Maunsell AECOM Jaidah Square 4th Floor Umm Ghuwalina Al Matar Street Doha, Qatar T +974 4 407 9000 (➤➤: aecom.com/)</p>	
CLIENT	<p>Qatari Diar Real Estate Investment Company. (➤➤: qataridiar.com/)</p>	
	<p>Ministry Of Public Health. (➤➤: moph.gov.qa/en/)</p>	
PROJECT	<p>WEST DISTRICT Cuban Hospital, Dukhan City, State Of Qatar HOUSING PROJECT. (➤➤: medical-qatar.com/en/) (➤➤: Project Location ♀)</p>	
POSITION	Surveying Engineer. (Main Contractor)	



2.State of Qatar (Doha City)

PERIOD	From (January 2007) Up to (September 2008)	
EMPLOYER	<p>Al Huda Engineering Works Co. (AHEW) P.O. BOX-17015, Doha, Qatar Tel: +974 44694890, 1, 2, 3 Fax: +974 44680020 (➤➤: alhudaengineering.com/)</p>	
CONSULTANT	<p>Cansult-Maunsell AECOM Jaidah Square 4th Floor Umm Ghuwalina Al Matar Street Doha, Qatar T +974 4 407 9000 (➤➤: aecom.com/)</p>	
CLIENT	<p>Public Works Authority, Roads Affairs RA ASHGHAL. P.O. BOX 22188, Tel: +974 44951111 Fax.: +974 44950900. (➤➤: ashghal.gov.qa/en/)</p>	

PROJECT	West Bay District Roads / Utilities Al Wahda / Majlis Al Taawon Roads. Road Construction & Improvements + Total Infrastructure Works. (▶▶: Project Location ♀)
VALUE	142,000,000 Qatari Riyal.
POSITION	Surveying Engineer. (Main Contractor)

Project Description:

2. West Bay District Roads / Utilities Project:

is the construction of a major road (Majlis Al Taawon Road) in (Dafna Towers area) with a total length 50km and the construction of service roads in the same area by the excavation to the Ground level (Design Level), then put the subbase layer followed by asphalt layers, in addition to the works of laying water and sewage lines and electric pipes lines and also excavating a sewage micro tunnel in major road, The project also includes rehabilitating unpaved roads by removing the upper asphalt layer (Asphalt Milling) with a thickness of 4 cm and re-laying a new layer with the same thickness.

3. WEST DISTRICT Cuban Hospital Project:

The Cuban Hospital is located in Dukhan City.

It is a joint project between the government of the State of Qatar and the government of the Republic of Cuba, It is a project affiliated with the Qatar National Health Authority, It involves the construction of the integrated Cuban Hospital in the city of (Dukhan) west of the city of (Doha), as well as the construction of a residential and administrative building for doctors and nurses on a total area estimated at 207,000 m², At the Cuban Hospital to provide support to their Cuban counterparts.



Work Responsibilities:

1. **Execute** Control Points and Bench Marks for Coordinates & Levels Reference Points in a whole project.
2. **setting-out** works for Infrastructure network and landscaping works for the project area.
3. **Execute** of (water-sewage-Irrigation) lines and roads in different cross-sections.
4. **Execute** a mega sewage network on the highway street with a total length of 10 km, setting out of a sewage micro-tunnel line with a length of 2.5 km (pipes with diameters of 1200 mm, 1400 mm), and setting out for the tunnel Manholes with a diameter of 10 m.
5. **Water** Network (8 Km) With Different Diameter (200mm, 300mm, 400mm, 600mm, 900mm).
6. **Street** Lighting (200 Elec. Pole).
7. **Execute** of Treated Sewage Effluent (TSE) Network with (300mm) Pipes, and its manholes with diameters (100mm, 150mm, 200mm).
8. **Construction** of a Surface Water Drainage System (2 Km) With Vitrified Concrete (V.C) Pipes (150mm) And Gullies.
9. **Supervising** the implementation of Landscape (400m²).
10. **Execute** of all road works (as-builts, setting out, curved paths, transition horizontal curves and vertical curves).
11. **Setting-Out** Centre Line for Main Road (Phase8) & Service Roads (Phase7, Phase6&Phase A2) and Determining the quantities of excavation and filling required to reach the approved design elev..
12. **Setting-Out** & Establishment Lines for Flushed Kerb Stone & Raised Kerb Stone and Edge Kerb Stone.
13. **Checking** Subgrade level, base&Sub-base level and asphalt layers levels.
14. **Setting** Out the Gullies for Main Road and Cross Roads.
15. **Execute** and follow-up of all stages and works of laying asphalt layers on the main road and secondary roads as follows:
 - For Main Road
 - Asphalt Layer Is 29 cm on 4 Stages. (9cm, 9cm, 7cm, 4cm)
 - For Cross Roads
 - Asphalt Layer Is 16- 20 cm on 3 Stages.
16. **Follow-up** for The Road surface markings.
17. **Setting** Out Traffic Signs.
18. **Setting**-Out of Proposed Locations & Coordinates of Temporary Fence of the West District Dukhan Hospital (Housing Project).
19. **Execute** a closed traverse for the hospital project, correcting it and delivering it to the consultants.

20. **Monitoring** and adjust concrete levels during pouring.
21. **Extract** and stake out coordinates and adjust the levels (Layout coordinates - Drainage and Water – Elec. cables - Telephones - Cross roads - other Utilities).
22. **Stake-out** the main axes of the footings as well as adjust elev.
23. **Set** the excavation levels and make a grid levelling for the entire ground allocated to the project.
24. **Setting** Out of Proposed Location & Coordinates of The Buildings & Excavation Limits for Dukhan Hospital (Housing Project):
 - 1) **Excavation** Points for the staff rest area in the building.
 - 2) **Excavation** Points for the staff accommodation.
 - 3) **Excavation** Points for the nurses accommodation.
 - 4) **Excavation** Points for the nurses rest area.
 - 5) **Excavation** Points for the offices.
 - 6) **Excavation** Points for the administration residential building.



➔ 1.Egypt (Qalyubia Governorate-Benha City)

PERIOD	From (August 2006 Up to January 2007)	
EMPLOYER	Qalyubia Governorate Utility Data Centre (Q.U.D.C). (➤➤: Qudc.net/) (➤➤: Qudc.wiki/)	
CLIENT	Ministry of Local Development (MLD). (➤➤: mld.gov.eg/en)	
VALUE	Governmental entity.	
POSITION	Surveying Engineer. (Owner)	
JOB	Utilities Surveying & GIS. (➤➤: Project Location ♀)	

Job Description:

-Qalyubia Governorate Utility Data Centre (Q.U.D.C):

is One advanced scientific achievement in the Qalyubia governorate, it is specializing in Utilities Surveying and put data on maps through integrated data infrastructure base and there is no parallel in parts of Qalyubia, a specialist in that field.

The center of the first agencies, which uses geographic information systems (GIS) 21 years ago in the field of utilities, by detecting utilities by advanced and modern detectors and survey them and produce maps at a scale suitable for the utilities and all the different surveying works.

Work Responsibilities:

1. **Full** Responsibility About Surveying Works of Infrastructure and Preparing the Surveying Reports, also Projection surveying Points on (SDR) Program for All Sewerage Pipe Lines, Water Pipe Lines, Electrical Lines and Telephone Lines with Used Known Codes.
2. **Responsibility** of All Data & Maps of All Utilities Underground. (Cadastral Surveying)
3. **Convert** total station survey data into geographical maps (Raster & Vector)
4. **The** production of digital maps from satellite imagery
5. **Produced** a detailed maps showing directions and data of roads.
6. **Production** of Surveying Maps by New Systems.
7. **Drawing** all the observed data from ground on AutoCAD drawings.
8. **Executive** maps processing AS-BUILT
9. **Grid** Levelling works, cut&fill works, and quantities calculations.
10. **Using** Global Positioning System (G.P.S.) In Surveying Works.
11. **Making** of The Planning Reports.
12. **Construction** a utility networks database with updated regularly and continuously.
13. **Construction** of Network of Points (Triangulation, Traverses, Benchmarks).

14. **Following** up any excavation works and any building of utilities underground.
15. **Detection** and Determination Utilities using the latest detection Utilities devices (Radio detection devices)- (>: **Website**), and the detection of cables lines pipes (electricity-telephones-) underground.

Knowledge in Computer

1. **Autodesk® AutoCAD 2D.2025.**
2. **Autodesk® AutoCAD® Map.2025**
3. **Autodesk® AutoCAD® Civil 3D.2025**
4. **Autodesk® AutoCAD® Structural Detailing A.S.D.**
5. **Cutting Optimization PRO. AutoRebar® Reinforced Concrete Detailing Software.**
6. **Autodesk® AutoCAD Land Desktop.**
7. **GeoMedia® Geographic Information System (GIS).**
8. **Surfer® | 2D & 3D mapping, modeling & analysis software.**
9. **HYPACK® Hydrographic Surveying.**
10. **Bentley MicroStation (Information Modeling Environment).**
11. **Global Mapper - Google Earth.**
12. **Surveying Software of total station & G.P.S as:**
 - ✓ **Topcon Link,**
 - ✓ **Topcon Tools,**
 - ✓ **Sokkia Link,**
 - ✓ **Sokkia Pro-Link,**
 - ✓ **Trimble T.G.O.,**
 - ✓ **Leica Survey Office.**
13. **Microsoft Office (Word-Excel-PowerPoint).v2021**
14. **SDR Mapping and Design.**
15. **Internet Skills.**
16. **General Information.**

Interests

- ↵ **Collects More Knowledge about Survey Works.**
- ↵ **Keeping Count of Every New in Technology Markets.**
- ↵ **Increasing My Skills in General Fields of Computer (Hardware, Graphics, Multimedia, Programming**
- ↵ **Computer science and new Surveying programs.**
- ↵ **Reading books and follow-up specialized websites in Surveying.**
- ↵ **Traveling.**
- ↵ **General Culture.**

Eng. Reda Sobeh

References Shall Be Furnished Upon Request.