

# AMRO OSMAN

## GIS Specialist / Survey Engineer

### PERSONAL INFORMATION

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**Profession:** Survey Engineer    **Address:** Madinah, KSA    E-Mail [amro.yousif.7@gmail.com](mailto:amro.yousif.7@gmail.com)  
**Mobile No:** +966556092688    **Nationality:** Sudanese    **Status:** Married  
**LinkedIn:** <https://www.linkedin.com/in/amro-yousif-bsc-hons-151330208/>

### SUMMARY

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Survey Engineer and GIS Specialist with over 4 years of expertise in site surveying and technical office operations, including 2+ years dedicated to NEOM projects. Proficient in all aspects of surveying within construction, earthworks, and road infrastructure projects. Demonstrates advanced competency in operating survey instruments and specialized software, including AutoCAD and Civil 3D, for preparing precise technical drawings. Skilled in utilizing GIS software to execute and manage GIS-related tasks effectively.

### EDUCATION

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Bachelor's of Surveying Engineering (Honors), in Geodesy  
Sudan University of Science and Technology, Khartoum.  
Second class - Upper (CGPA 2.70/4).

### EXPERIENCES AND TRAINING

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#### Umaps (UNICOM), KSA, Madinah (Sept2024-NOW).

##### Survey Engineer:

##### Responsible For:

- Develop survey plans and coordinate daily tasks for the survey team.
- Lead and supervise the field survey team to ensure work is carried out Accurately and efficiently.
- Communicate with project managers, engineers, and other stakeholders to understand project requirements.
- Proactively address and resolve any technical or logistical issues faced by surveyors on-site.
- Conduct spatial analysis using ArcGIS Pro to assess and interpret the geographical and environmental conditions of project sites, providing data-driven insights for project planning and execution.

#### Awad Binzafrah Holding Group, KSA, NEOM (Sept2022-Aug2024).

##### Survey Engineer:

##### Responsible For:

- Prepare the work inspection request files which involves compiling survey data on-site, organizing relevant files, and delivering them to the consultant on site for review and approval.

- Established new control points at " W.O 6, W.O 15, W.O 16, Base shore yard" projects using static surveying method and processed data with "Trimble Business Center" software for high accuracy.
- Set out the precise locations where structural steel elements will be placed, and check the placement and alignment of anchor bolts at "SHOSHA Islans" base shore yard project.
- Supervised and coordinated the work of site surveyors to ensure accurate and efficient execution of surveying tasks.
- Prepare maps and drawing: Using "Autodesk Civil 3D" software to create detailed maps and drawings of the site that can be used by others later.
- Calculate volumes for materials after cut and fill works for the road project "W.O 6"using Autodesk Civil 3D

**New Vision Company Engineering and Saftey Consulting, KSA, Tareeb (Sept2021-Sept2022).**

**Survey Engineer/ GIS Specialist:**

**Responsible For:**

- Carry out QC/QA for the survey data to ensure all survey works is executed successfully with high quality and meets the client's requirements.
- Communicate with clients and understand their particular requirements for each project.
- Using GIS software "ArcMap" to implement all GIS works (Editing, Database, Georeferencing, Data analyzing.. etc).
- Keep proper and updated records of site survey works, logs and report on daily activities

**Red Rock Mining Company, Sudan (Apr2021-AUG2021).**

**Survey Engineer:**

**Responsible For:**

- Carry out mining survey work (demarcation) and marks corners at site as per authorized drawings.
- Preparation of AutoCAD Drawings; Detailed Survey plan and as-built drawings for the demarcation of excavation.
- Prepare Drawings as well as provide the required fixing details.

## **SKILLS**

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**Survey Instruments:** GPS, Level & Total station instruments.

**Survey Software:** ArcMap pro, Auto CAD, Civil 3D, Surfer 10, Google Earth Pro, Global Mapper Pro.

**GIS Skills:**

- GIS basics (Projection - Datum - Spatial data - Geoprocessing - Georeferencing - Subtypes - Domains - Topology Rules - Selection - Maps layout).
- Analysis (Data Analysis - Networks Analysis - Digital Elevation Model).

## **COURSES & CERIFICATES**

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- Course and certificate in GIS Level 1 (Zoohal Engineering & Training Center) 2021.
- Course and certificate in primavera (Zoohal Engineering & Training Center) 2021.
- Course and certificate AutoCAD Civil3D (Zoohal Engineering & Training Center) 2021.
- Course and certificate PlanSwift (Zoohal Engineering & Training Center) 2021.
- Fundamentals of GIS (Coursera - University of California, Davis) 2022.
- GIS Formats, Design and Quality (Coursera - University of California, Davis) 2023.
- Course and certificate in Create and Analyze Water Networks using GIS (Udemy) 2023.

## **LANGUAGES**

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Arabic and English.

## **PERSONAL SKILLS**

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- KSA driving license.
- written and oral skills.
- Fast learner.
- Effectivity (Leadership, Decision Making, Communicative, Creativity, Organized).

## **ACHIEVEMENT & AWARDS**

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- BECHTEL Approval as Land Surveyor 2022.
- AECOM Approval as Land Surveyor 2023.