

AMRO OSMAN

GIS Specialist / Survey Engineer

PERSONAL INFORMATION

Profession: Survey Engineer

Address: Madinah, KSA

E-Mail: amro.yousif.7@gmail.com

Mobile No: +966556092688

Nationality: Sudanese

Status: Married

LinkedIn: <https://www.linkedin.com/in/amro-yousif-bsc-hons-151330208/> **Driving License:** Valid

SUMMARY

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

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

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

Survey Engineer:

- Managed surveying operations for key projects such as constructions and fencing works at Water Main Stations for (SWCC) PS1 at AL-Rais and PS2 at Al-Musaijeed also subatations such as Al-Humra Tank, Badr Reservoir and others.
- Designed new fence layouts and determined column locations and elevations providing detailed instructions and datasets to surveyors.
- Directed Fiber Optic Cables project from Madinah to various destinations like Al-Hanakia, Yanbu and others, equipping the survey team with critical mapping details.
- Conducted periodic updates to project designs based on field surveys, and sharing revised plans with the surveyors.
- Developed KMZ files to streamline site navigation for the surveyors, supervisors and site engineers, empowering them to locate *Fiber Optic Routes, VDV manholes, Stations .. etc*.
- Generating detailed terrain profiles for Fiber Optic Routes using ArcGIS Pro, with data extracted and analyzed from high-resolution aerial imagery.

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

Survey Engineer:

- Prepared 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 Islands" base shore yard project.
- Supervised and coordinated the work of site surveyors to ensure accurate and efficient execution of surveying tasks.

- Using "Autodesk Civil 3D" software to create detailed 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 Safety 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

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 & CERTIFICATES

- GIS Level 1 (Zoohal Engineering & Training Center) 2021.
- in primavera (Zoohal Engineering & Training Center) 2021.
- AutoCAD Civil3D (Zoohal Engineering & Training Center) 2021.
- 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.
- Create and Analyze Water Networks using GIS (Udemy) 2023.

LANGUAGES

- Arabic (Native)
- English (Professional) .