

# Mohamed Mortada

**Survey Manager | Infrastructure & Construction Project Specialist**

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## Professional Summary

An accomplished survey manager professional with over 24 years of experience in managing surveying operations for major infrastructure and construction projects. Proven track record of providing technical leadership to ensure projects are delivered on time, within budget, and to required quality and safety standards. Adept at coordinating with government and municipal authorities to secure permits and align project activities with regulations. Has successfully led multi-disciplinary survey teams on high-profile projects for renowned clients including **Saudi Aramco**, **Public Investment Fund (PIF)** development projects, **Diriyah Gate Development Authority (DGDA)**, and other key organizations. Brings extensive experience across a wide range of project types – from airports, seaports, and university mega-projects to residential communities, industrial facilities, and defense infrastructure – demonstrating both strategic oversight and hands-on technical expertise.

## Areas of Expertise

- **Surveying & Mapping Software:** AutoCAD (all versions), Civil 3D, Autodesk Land Desktop, Surfer, SDR Mapping, GIS tools
- **Equipment & Tools:** Total Stations (multiple models), Digital/Automatic Levels, GPS surveying systems
- **Technical Skills:** Topographic surveying, construction layout & staking, leveling and benchmark establishment, horizontal and vertical alignment control, volume (earthwork) calculations, as-built surveying and documentation
- **Project Coordination:** Liaising with clients, consultants, and municipal authorities; MEP and utility coordination; subcontractor management; ensuring compliance with project specifications and safety standards
- **Management & Leadership:** Leading and training survey teams, department management, workflow optimization, quality control of survey data, and cross-functional team collaboration

# Professional Experience

## **MBL Group (Modern Building Leaders)** – Head of Survey Department (2023 – Present)

- Lead the surveying department for multiple concurrent projects, overseeing a team of surveyors and technicians to ensure accurate site measurements and layout for all construction activities.
- Develop department standards and best practices for survey operations, enhancing precision and efficiency in data collection and stakeout processes.
- Coordinate closely with project managers and engineering teams to integrate surveying plans into overall project execution, and resolve any technical issues related to site data or geospatial reference.
- Provide high-level oversight on key project surveys, verifying that work adheres to design coordinates and government regulations. Ensure quality control of all survey deliverables and timely support to construction teams.

## **Saudi Real Estate Infrastructure Company (BINYAH)** – Survey Manager (2021 – 2023)

- Managed all surveying activities for large-scale infrastructure projects, including the **Wadi Hanifah Spine Infrastructure Works** under the Diriyah Gate Development Authority (DGDA). Ensured precise alignment and execution of works for roadways, tunnels, and utilities in this PIF-backed development project.
- Coordinated with client representatives and local authorities to obtain survey control points and approvals, facilitating smooth commencement of projects. Oversaw the establishment of permanent benchmarks and control networks on site.
- Supervised a team of survey engineers and land surveyors, delegating tasks for topographic surveys, construction staking, and as-built measurements. Reviewed survey data and drawings for accuracy before submission to consultants and clients.
- **Key Projects: AMAALA Coastal Village** (luxury resort development on the Red Sea coast, PIF project) – oversaw survey and setting out for infrastructure and building works; **The Red Sea Project** (island resort development, TRSDC) – provided technical guidance for complex geodetic and over-water structure layouts.

## **Al-Kifah Contracting Company (KCC)** – Survey Manager (2020 – 2021)

- Directed surveying and mapping operations for critical civil and infrastructure projects in Saudi Arabia, ensuring adherence to strict quality and safety standards within tight

project schedules.

- Coordinated with the Royal Commission of Jubail and other authorities on projects such as an industrial city utilities upgrade and a large-scale housing development (Ras Al-Khair), obtaining necessary approvals and aligning surveying works with regulatory requirements.
- Conducted and supervised precise layout of project elements including utilities (water, sewer, electrical networks) and structural foundations. Verified leveling and grading for roadworks and platforms, implementing adjustments as needed to meet design tolerances.
- Mentored junior surveyors and implemented training on advanced surveying techniques and equipment usage, improving team capability and productivity.

**Saudi Binladin Group (SBG) – Senior Survey Engineer / Survey Manager (2008 – 2020)**

- Progressed from Senior Survey Engineer to Survey Manager while contributing to numerous mega-projects with SBG's construction division. Led surveying teams in delivering accurate site layouts and measurements for high-profile projects such as **King Abdulaziz International Airport (Jeddah), Princess Noura bint Abdulrahman University (Riyadh), King Saud University – Girls' Colleges and Staff Housing (Riyadh)**, and various military and infrastructure projects.
- Planned and executed comprehensive surveying strategies for large-scale sites, establishing control points across vast project areas (airfields, campus grounds, etc.) and ensuring all construction works were set out according to the approved coordinates and elevations.
- Coordinated daily with project directors, architects, and engineering leads to address on-site challenges and design modifications, providing quick survey solutions to keep construction progress on track.
- Introduced efficient survey workflows and quality control checks that significantly reduced rework and errors in layout.
- Managed the surveying team across these major projects, fostering a culture of precision, teamwork, and continuous improvement.

**Talaat Moustafa Group (Alexandria Construction) – Survey Engineer (2007 – 2008)**

- Performed detailed land and construction surveys for residential and commercial development projects. Interpreted architectural and engineering plans to set out building

outlines, roads, and utility networks on site with accuracy.

- Collaborated with senior engineers and project managers on an expedited construction schedule, delivering reliable survey data and resolving any discrepancies between design drawings and site conditions.
- Gained early career experience in modern surveying instruments and CAD drafting of survey drawings, building a strong foundation in construction layout techniques and site coordination.

### **Global Tourism Development Group – Survey Engineer (2001 – 2007)**

- Conducted topographic surveys and layout for tourism development projects, including resort facilities and infrastructure in emerging tourist destinations.
- Established horizontal and vertical controls (benchmarks) on project sites and carried out continuous monitoring to ensure stability and accuracy of reference points throughout construction.
- Prepared survey reports, contour maps, and as-built records to support engineering design and project handovers. Developed skills in coordinating with cross-functional teams and adapting to challenging field conditions in remote areas.

## **Key Projects Portfolio**

**Infrastructure & Urban Development:** Wadi Hanifah Spine Infrastructure (DGDA); Jazan Economic City Onshore Port (Saudi Aramco); MISK City & AMAALA (PIF-backed mega projects); multiple Royal Commission for Jubail contracts for utilities and facilities; Diriyah Gate development projects (DGDA).

**Building & Construction:** King Abdulaziz International Airport expansion (Jeddah); Princess Noura University campus (Riyadh); King Saud University colleges and housing (Riyadh); KFUPM Business Park (Dhahran – mixed-use office and residential towers); South Dhahran “Ajyal” Housing Development (Aramco); housing compounds in Ras Al-Khair and Al-Khobar (SWCC).

**Special Projects:** Red Sea Project – Coastal Village and Ummahat Al-Shaykh Island resorts (TRSDC); Emergency Response Academy (SABIC); Ministry of Defense facilities and housing projects; construction of schools and mosques in Riyadh (various public sector programs).