

# ABDO AZMY ABDELHAMEED

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## PROFESSIONAL SUMMARY

Experienced Mechanical Infrastructure Engineer with a strong background in managing and executing large-scale infrastructure projects. Proficient in the installation of HDPE, UPVC, RC, DI, and GRP piping systems for water, sewage, storm, and irrigation networks, as well as lift stations and mechanical systems. Demonstrated leadership in overseeing teams, optimizing workflow, and implementing smart valve technologies. Holds multiple certifications in AutoCAD, HVAC, fire fighting, plumbing, and safety. Skilled in problem-solving, team leadership, and project execution within high-value developments.

## CORE COMPETENCIES

Mechanical Infrastructure Engineering | Project Management | Team Leadership | Network Installation | HDPE, UPVC, RC, and DI Pipe Installation | Water, Sewage, Storm, and Irrigation Systems | Construction of NPW Tanks | Irrigation Pump Systems | Smart Valve Installation | Submersible Pump Installation | Lift Station Construction | Jib Crane Installation | Basket Screen & Penstock Installation | Water Hammer Tank Installation | Infrastructure for Large-Scale Projects | Governmental District Infrastructure | Landscape Works | Autocad 2D Proficiency | HVAC Systems | Fire Fighting Systems | Plumbing Systems | Safety Compliance | Training & Certification | Problem Solving | Team Collaboration | English Language Proficiency | French Language Proficiency | Project Cost Management | Housing Project Infrastructure | Leadership in High-Value Projects

## PROFESSIONAL EXPERIENCE

**Lead Mechanical Infrastructure Engineer** | AlRashed for Trading and Contracting (RTCC) | **Riyadh, Saudi Arabia**  
| December 2023 – Present

- Managing all types of network installations for King Salman Park, focusing on ART Park.
- Overseeing the installation of HDPE, UPVC, RC, and DI pipes for water, sewage, storm, and irrigation networks.
- Supervising the construction of NPW tanks, including installation of irrigation pumps, valves, and accessories.
- Ensuring quality control and compliance with engineering standards in mechanical infrastructure projects.
- Coordinating with project stakeholders to ensure seamless execution of infrastructure works.

**Mechanical Infrastructure Team Leader** | Rowad Modern Engineering (RME) | **Egypt** | April 2021 – November 2023

- Led the mechanical team for the Governmental District project in the New Administrative Capital.
- Supervised the installation of over 120 km of potable water, irrigation, sewage, and storm networks.
- Managed the installation of smart valves to regulate water flow efficiently.
- Ensured the proper installation of submersible pumps for lift stations and water networks.
- Coordinated with project management to meet deadlines and quality requirements.

**Senior Mechanical Engineer** | Samcrete E&C | **Egypt** | November 2017 – April 2021

- Managed the installation of six sewer lift stations and 50 km of sewage networks.
- Supervised the construction of sumps, installation of submersible pumps, and related accessories.
- Led the installation of jib cranes, basket screens, penstocks, and water hammer tanks.
- Ensured adherence to project timelines and safety standards.

**Mechanical Infrastructure Engineer** | Abdulali Alajmi Co. | **Jazan, Saudi Arabia** | November 2015 – November 2017

- Managed mechanical works for Abu Arish housing project infrastructure.
- Oversaw the installation of GRP, DI, UPVC, HDPE, and concrete pipes.
- Ensured quality assurance for the mechanical infrastructure components.

**Officer / Engineer** | Egyptian Armed Forces | **Egypt** | October 2012 – April 2015

- Led mechanical engineering tasks for infrastructure projects.
- Managed the execution of military-related infrastructure projects.
- Supervised mechanical installations, ensuring compliance with safety regulations.

## ACCOMPLISHMENTS

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- Spearheaded infrastructure and landscape works for King Salman Park, managing a 2 Billion SR project with diverse network installations.
- Led the installation of 120 km of water, sewage, irrigation, and storm networks in Egypt's New Administrative Capital on a 3 Billion EGP project.
- Executed the construction of six sewer lift stations and 50 km of sewage networks for a 500 Million EGP project in Dakahlia.
- Engineered mechanical infrastructure for the Abu Arish housing project in Jazan, successfully installing multiple pipe systems on a 280 Million SR project.

## EDUCATION

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**Bachelor's Degree in Mechanical Power Engineering** | Mansoura University | **Egypt** | 2012

## COURSES & CERTIFICATIONS

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- AutoCAD 2D
- HVAC
- Fire Fighting
- Plumbing
- PETROJET Training Certificate
- Ministry of Commerce Training Certificate
- Safety Certificate

## TECHNICAL SKILLS

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- Proficient in AutoCAD (2D drafting)
- Mechanical infrastructure systems installation
- Piping installation (HDPE, UPVC, RC, DI)
- Smart valve integration for water flow control
- Strong problem-solving capabilities

## LANGUAGE PROFICIENCY

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- **Arabic:** Mother Tongue
- **English:** Full Working Proficiency
- **French:** Basic/Fair

## PERSONAL DATA

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- **Date of Birth:** 01/05/1990
- **Marital Status:** Married
- **Nationality:** Egyptian
- **Driving License:** Valid