



# Khaled Mohamed Meqdam

## Senior Water Treatment & Utilities Operator

Phone: +20 101 747 7693 / +20 105 087 8057

Email: [superman201164@gmail.com](mailto:superman201164@gmail.com)

Address: Meet Ghamr, Dakahlia, Egypt

### SUMMARY

---

Experienced and detail-oriented Water Treatment Plant Operator with over 9 years of expertise in the operation and maintenance of RO systems, STB plants, ultra-filtration technologies, and industrial utility systems across major sectors including steel, cement, and petrochemicals. Proven ability to ensure uninterrupted plant functionality, enhance system efficiency, and adhere strictly to environmental and safety protocols. Recognized for problem-solving, teamwork, and technical precision in high-demand operational environments.

### WORK EXPERIENCE

---

#### Utilities Operator – Water Treatment Plant

##### Suez Steel Company – SMP 1 & SMP 2 - RM3 & RM1.2 - Pelletizing Factories

2018 – Present

Responsibilities:

- Operate, monitor, and maintain water treatment facilities and utility systems including RO plants, heat exchangers, and ion exchangers.
- Conduct preventative and corrective maintenance to ensure equipment reliability and plant safety.
- Log operational data, analyze system performance, and implement efficiency-improving adjustments.
- Collaborate with engineers and quality teams to meet production and water quality targets.

#### Senior RO & Water Treatment Technician

##### Veolia Water Technologies – Egypt

2015 – 2018

Responsibilities:

- Oversaw operation and maintenance of RO plants and wastewater stations at major industrial sites including Mopco Damietta and Kima Aswan.
- Managed degasser units, ultrafiltration systems, evaporators, and STB facilities across multi-site operations.
- Ensured compliance with environmental regulations and operational safety protocols.
- Diagnosed faults and coordinated timely repairs to prevent downtime.

#### Projects & Sites:

- Mopco Damietta Plant – 8,000 m<sup>3</sup>/day capacity
- Ezz Steel, Ain Sokhna – 4,000 m<sup>3</sup>/day capacity
- El-Suwaidi Cement, Ain Sokhna – 4,000 m<sup>3</sup>/day
- Porto Sokhna Resort – 1,200 m<sup>3</sup>/day
- Kima Wastewater Plant, Aswan – 45,000 m<sup>3</sup>/day

### EDUCATION

---

#### Bachelor of Laws (LL.B.)

- Faculty of Law, Zagazig University
  - Specialization: Public Law
  - Graduation Year: 2013

**TRAINING & COURSES**

---

- ICDL (International Computer Driving License)
- SCADA System

**SKILLS**

---

**Professional Skills**

- Process Optimization
- Equipment Calibration
- Safety & Environmental Compliance
- Shift Supervision
- Operational Reporting
- System Efficiency Analysis

**Personal Skills**

- Strong Attention to Detail
- Team Collaboration
- Problem Solving
- Time Management
- Adaptability
- Crisis Response & Decision-Making

**Technical Skills**

- Reverse Osmosis (RO) Operation
- STB & Ultra Filtration Systems
- SCADA Systems
- Evaporators & Degasser Units
- Cooling Towers & Heat Exchangers
- Water Chemistry Monitoring
- Preventive Maintenance
- Troubleshooting & Fault Diagnosis
- Ion Exchange Systems
- Industrial Wastewater Treatment

**LANGUAGES**

---

- Arabic: Native
- English: Very Good (Spoken & Written)

**PERSONAL INFORMATION**

---

- Nationality: Egyptian
- Date of Birth: 14 May 1992
- Marital Status: Married
- Military Service: Completed

**REFERENCES**

---

References available upon request.