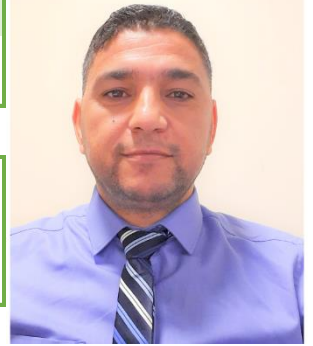


Kaies Elharhouri

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A- EDUCATION

The National Diploma in Engineering in Rural Engineering, Waters and Forests. Major: Hydraulics and Rural Development (*)

(*): Canadian Equivalency WES: Bachelor and Master's degree in Hydraulics and Rural Development

University of Carthage-
INAT Tunis- Tunisia
2001-2006

B- PROFESSIONAL SYNOPSIS:

16+ years professional experience in multi-tasking roles related to the water sector out of which 9 years in management positions mainly as a Head of District/Area Manager and as a Head of Water Operation department. My intensive experiences were gained in different fields of expertise covering, in particular, the water Resources Management; operation and control of water systems; Planning, design and managing of water network Assets, Project Management, as well as Preparation and control of budgets. A competent, hardworking, and professional Manager who always acts with honesty and integrity in everything he does.

C- PROFESSIONAL EXPERIENCE



B.1- WATER OPERATIONS - RERSVOIRS AND PUMPING STATIONS ENGINEER (RPS)
Qatar General Electricity & Water Corporation (KAHRAMAA)

**October-2017
to present
Doha- Qatar**

- Ensuring effective operations and control of water production systems in a 24*7 environment, located in various parts of Qatar which mainly consist of Mega Reservoirs, & large pumping stations, Reverse Osmosis (RO) plants, chlorination stations, trunk mains, and distribution mains.
- Managing & supervising operations team from different background assigned to monitor, control, operate and maintain the water production systems.
- Scheduling, managing, and attending both major planned and reactive activities related to operations of water network assets (trunk main leakages, defective pumps, reservoir cleaning, etc.) and ensuring they are delivered to the effective and quality required.
- Predicting, identifying, analyzing, and addressing/mitigating all risks associated with operational incidents in order to reduce water interruption to customers and ensure delivering excellent customers' service.
- Ensure a resilient and smooth operations of water production systems as well as a continuous improvement of the water network performance.
- Maintaining sufficient reservoir water storage (more than 90% of reservoir capacities) to flexibly meet demand and to cover planned and unplanned water outages.
- Identifying project scopes of work for pipeline rehabilitation, reservoirs and pumping station refurbishment and following up the implementation of the projects, as well as attending and facilitating their testing commissioning.
- Deciding the mode of operations of pumping stations Manual, local SCADA, Remote/NWCC depending on site conditions to ensure continuous supply of potable water to all customers.
- Reviewing all projects' technical documents such as control philosophy of the water stations, method statements, drawings, as-built drawings starting from planning stage till project close-out.
- Carrying out required training to pumping stations supervisors/operators to keep them updated with the newly constructed facilities and equipment.
- Ensure Health and Safety requirements are met for activities taking place within the region.
- Working in coordination with quality assurance and continual improvement department on securing and maintaining the ISO 9001 certification.



B.2- HEAD OF DISTRICT/ AREA MANAGER
The National Company of Exploitation and Distribution of water (SONEDE)

January 2016 to October 2017
Tataouine Province -Tunisia

- Managed the overall operations and resources of the company and ensured that all goals are met based on the company's strategic plans.
- Managed and supervised of 176 team members including five Head of sections (Water Operation section, Project section, Water Maintenance section, Wells & ground water section, and Administrative, finance & legal section) as well as coaching and train them and assign the right people in the right place at the right time.

- Led and developed water network Asset Management Strategy Plan to ensure the long-term sustainability of the water utility and making better decisions on when it is most appropriate to repair, replace, or rehabilitate assets to ensure long lasting excellent water service to all customers across the area.
- Reviewed and updated the Water Master Plans and searching new regional strategic water resources to meet the actual and future customers' demands.
- Managed and controlled the progress of projects and programs by comparing actual performance to the estimates as well as ensured a smooth transition of delivered assents into the Operation & Control department.
- Worked in partnership with key stakeholders to improve the efficiency of water systems and ensure that actual and future risks and opportunities are identified from all aspects, including safety, customers, finance, and asset performance.
- Prepared operations, maintenance and rehabilitation project expenditures (CAPEX and OPEX) and ensure that budgets are spread and spent wisely to maintain the desired level of service to all customers across the province area.
- Ensured that all customer service outcomes in the area are delivered to the efficiency and quality required.
- Ensured that all planned and reactive activities will be carried out without or with a minimum impact to the network.
- Led and developed solutions to reduce water interruption and ensure a smooth and resilient water supply at the desired customers' level of services.
- Risk management- predicting, identifying, assessing, and addressing/ mitigating risks that could potentially impact the desired project output.



B.3- Head of the Water Operations and Control department
Senior Operation Engineer/ Acting Head of the Water Operation dept.
The National company of Exploitation and Distribution of water (SONEDE)

April 2014 to January 2016
July 2010 to April 2014
Kairouan Province, Tunisia

- Ensured the production, treatment, storage, and distribution of drinking water to all customers across Kairouan province area.
- directed, and supervised 72 team members including senior engineers, engineers and supervisors from different background (Civil, hydraulics, Hydrogeology, mechanical, electrical and instrumentation).
- Followed up the repair works/maintenance of leaking trunk mains, pumping stations, drainage networks in close coordination with concerned sections (maintenance, technical affairs, general services, or contractors).
- Managed all operational incidents/emergencies and always ensuring that repair works are undertaken safely whilst maintaining excellent service to customers and the communities we operate.
- Directed and supervised the leak detection team to pinpoint leaks on the production and distribution networks in order to reduce the water loss and increase the water network efficiency.
- Managed and supervised all phases of projects execution starting from the selection of the contractor till the commissioning of the projects (Refurbishment/construction of new reservoirs, pumping stations, pipelines...) in compliance with all established standards.
- Planned, in coordination with the concerned engineers, the activities related to preventive and corrective maintenance of pipeline, equipment in reservoirs, pumping stations, abstraction boreholes & pumps, and chlorination stations to improve the water network systems performance.
- Besides my main duties at SONED, I am a key committee member in the Water Resources Department in the ministry of Agriculture & Water resources: its main role is following up the progress of Irrigation Major projects (planning, design, execution, and commissioning), Management of Water Resources (underground and Surface water), protection of the environment and conservation of soil in the Tunisian central Regions.



B.4- SENIOR ENGINEER –PLANNING & DESIGN
The National company of Exploitation and Distribution of water

September 2008- July 2010
Tunis, Tunisia

- Acted as the Lead Planning & Design Engineer responsible to effectively manage water network systems by developing strategies for ensuring a reliable and sustainable supply of water to meet the current and future needs.
- Developed and Updated the Water System Master Plans by forecasting the future population and Water demands, Assess the existing water supply capacity, and compare it with the water demand projections, develop and evaluate water supply alternatives.
- Hydraulic Modulating of Water network systems (*using EPANET.2 Software*) to verify the existing asset capacities and identify critical areas (low and high pressure, pipelines at high risk of failures, etc.) and propose solutions to improve the water network efficiency and reduce water loss.

- developed water network Asset Management Strategies to operate, repair, rehabilitate and replace pipeline at high risk of failure to ensure a reliable and sustainable water supply at the lowest operation and maintenance costs.
- prepared project documents: project budget, project charter, detailed scope of work (work breakdown structure), drawings, cost estimates, and required schedule to complete the project as per the required specifications and standard.
- Prepared tender documents and technical & economical evaluation reports of contractors' bids to select the best offer to execute projects.
- projects risk management: Identification, mitigation and control of risks associated with different stages of projects to avoid/mitigate the risks that could potentially impact in the projects' output.
- Followed up projects execution and ensure that the progress is as per the schedule and the required specifications.
- Worked in close coordination and collaboratively with all internal and external project stakeholders to ensure delivering project output to time, cost and quality.
- Ensured that all projects comply with the Construction, design and management regulations and complied with the Health and Safety requirements.
- Coached and mentored newly employed engineers to ensure continuous improvement.



B.5- PLANNING & DESIGN ENGINEER

The National company of Exploitation and Distribution of water

March 2007 August 2008

Tunis -Tunisia

- Studied the security of water supply and determined the required demand for the upcoming 35 years for around 1.1 million inhabitants in the provinces of Sousse and Kairouan as well as identified regional strategic water resources and reservoirs options that can meet customers' requirements.
- Designed drinking water systems such as pipelines, Reservoirs, pumping stations, chlorination stations.
- preparation of tender documents, technical and commercial bids evaluation to select the appropriate contractor to execute the projects.

D- SOFTWARES

- Certified in the Cyber-crime prevention.
- High level of IT literacy: Excel, PowerPoint, Word, Microsoft team, Zoom, emailing, Social Media, etc..
- Familiar with hydraulic simulation software.
- AutoCAD, GIS.

E- LANGUAGES:

- English, French and Arabic.

Signature: