



We're Hiring

SENIOR WATER ENGINEER



We are seeking an accomplished Senior Water Engineer with a proven track record in project management to lead cutting-edge initiatives in water resource optimization. This role is integral to our resource efficiency program, focusing on the implementation of innovative strategies to enhance water use efficiency, reduce costs, and minimize environmental effects, to make a significant impact on South Africa's resource efficiency and security of resource supply. If you are passionate about driving sustainable solutions in water management, this opportunity is for you.

KEY RESPONSIBILITIES:

- **Leadership & Project Management:** Lead a multidisciplinary engineering team to deliver comprehensive site assessments focused on optimizing water management systems across diverse facilities.
- **Water Systems Expertise:** Oversee the water workstream, bringing your deep knowledge of water supply, treatment, and distribution systems to enhance operational efficiency and sustainability.
- **Resource Optimization:** Identify and implement strategies to reduce water usage, improve treatment processes, and introduce water recycling or reuse initiatives.
- **Master Planning:** Develop holistic water, energy, and waste management plans tailored to specific sites, ensuring sustainable and cost-effective operations.
- **Stakeholder Engagement:** Collaborate with facility managers, operators, regulators, and community members to drive support for water optimization initiatives and ensure alignment with project goals.
- **Quality Assurance:** Ensure all project outputs meet the highest quality standards in line with ISO requirements and company protocols.
- **Health & Safety Leadership:** Champion best practices in health and safety management throughout the lifecycle of all projects.

WATER SYSTEMS ANALYSIS:



Comprehensive Audits: Conduct thorough audits of water usage, distribution, and treatment processes, identifying key areas for improvement and optimization.



Innovative Solutions: Stay at the forefront of technological advancements to introduce new methods and tools that enhance water management systems and reduce environmental impact.



Water Efficiency: Evaluate the water consumption patterns and propose solutions to reduce water usage.



Risk Management: Identify potential risks within water systems and develop robust strategies to mitigate them, ensuring the resilience of operations.



Energy Efficiency: Evaluate the energy consumption of water management systems and propose solutions to reduce energy usage, including the integration of renewable energy sources.



Implementation & Reporting: Develop and execute detailed plans for water optimization initiatives, complete with specific goals, strategies, and performance metrics, and communicate findings effectively to stakeholders.



Water Quality Management: Monitor and ensure water quality compliance with regulatory standards, optimizing treatment processes for efficiency and effectiveness.

WHAT WE'RE LOOKING FOR:

- **Educational Background:** BSc/BEng degree in Civil Engineering or a related field, with a preference for an advanced degree. Project Management certification is a strong advantage.
- **Experience:** 10+ years of experience in water systems engineering, particularly within the built environment, property, and facilities management sectors.
- **Professional Registration:** Registered with a recognized engineering body (ECSA); SACPCMP registration is a plus.
- **Technical Expertise:** Comprehensive understanding of water systems, with experience in design management and project leadership.
- **Certifications:** Professional certifications such as CWEP, CMVP, QWLA, or equivalent are highly desirable.
- **Project Management Skills:** Demonstrated success in managing complex, multi-disciplinary projects, with the ability to handle multiple priorities simultaneously.
- **Legislation Knowledge:** Strong understanding of relevant legislation, regulations, codes of practice, and industry guidelines.
- **Software Proficiency:** Proficiency in CAD, water modelling and project management software, such as MS Project.

WHY JOIN US?



PERSONAL ATTRIBUTES:

We are looking for a dynamic individual with strong communication and problem-solving skills who can manage complex projects and thrive under pressure. Your ability to write detailed reports, lead cross-functional teams, and maintain a proactive, results-oriented approach will be crucial to your success in this role.

The successful candidate for this position will enjoy working with a market leading team in the infrastructure financing and advisory industry, and work on the redevelopment of South Africa's core infrastructure.

Application Details:

Applications must be sent to: careers@mahlako.co.za

Only shortlisted candidates will be contacted.