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*Multi-Disciplinary Firm Specializing in Civil Engineering Infrastructural Development Projects, Civil and Structural Design, Project Management and Construction Supervision*

## TECHNICAL LEAD – WATER

**Location:** Pietermaritzburg

**Role:**

The Technical Lead for the Water sector plays a pivotal role in providing technical expertise, leadership, and strategic oversight for Zimile Consulting Engineers. This position ensures that water-related projects are delivered on time, within budget, and meet the highest technical and quality standards. A key focus of the role is to drive business development, maintain strong client relationships, and enhance Zimile's service offerings through the implementation of innovative solutions and technological advancements.

**Job Description Summary:**

The Technical Lead is responsible for managing the Water team, with a primary focus on the engineering, design, and project management aspects of all assigned projects. The role involves oversight of technical quality and compliance while also fostering innovation in the team's approach to delivering client solutions. The Technical Lead plays an active role in business development, identifying opportunities to expand service offerings and strengthen client retention efforts.

The position demands advanced capabilities in engineering design, resource management, and project management, ensuring projects are completed within agreed timelines, and maintaining quality and budgetary standards. The Technical Lead is also responsible for ensuring adherence to best practices and compliance with business processes.

As a key leader, the Technical Lead will report on the work performed by the Water department, focusing on both internal operations and client-facing deliverables. A significant part of the role involves leadership, mentoring, and professional development of junior team members, with a goal to achieve professional registration within relevant industry councils.

**Key Responsibilities:**

**Department Leadership & Team Management**

- **Leadership and Oversight:** Lead and guide Engineers, Technicians, and Draughts Persons, delegating tasks effectively within the Water Department.
- **Systems Development:** Develop and implement systems to ensure the smooth running of the Water Department, promoting synergy and coherence within the department and across Zimile Consulting Engineers.
- **Compliance and Standards:** Ensure that all designs, workflows, and outputs comply with relevant design specifications, industry standards, and best practices.



- **Stakeholder Leadership:** Provide leadership to internal teams, clients, contractors, and other stakeholders, ensuring a forward-thinking approach to business opportunities.
- **Team Supervision:** Organise workflows, monitor project progress, review reports, and provide constructive feedback to employees. Manage disciplinary actions and ensure work is delivered on time and to the required standards.

#### Leading the Design and Site Supervision Effort:

- **Feasibility Studies:** Conduct feasibility studies to evaluate the practicality and potential success of water engineering projects, considering factors such as site conditions, regulatory requirements, and client needs.
- **Conceptual Development and Layouts:** Lead the conceptualisation and development of initial project layouts, ensuring alignment with client objectives and technical specifications.
- **Basic and Detailed Engineering Designs:** Oversee the creation of both basic and detailed engineering designs, ensuring that all design elements meet safety standards, functional requirements, and project goals.
- **Design Reviews and Approvals:** Manage design review processes, ensuring that all designs are thoroughly evaluated and approved in line with industry standards and client expectations.
- **Site Supervision and Construction Quality Assurance:** Provide hands-on site supervision, maintaining high standards of construction quality and ensuring compliance with all design specifications and engineering practices.
- **Contract Management (GCC, FIDIC, NEC, JBCC):** Administer contracts under various frameworks (GCC, FIDIC, NEC, JBCC), ensuring that all contractual obligations are met and managing any changes, risks, or disputes that may arise.
- **Successful Delivery of Projects:** Ensure that projects are delivered on time, within scope, and on budget, while maintaining the highest quality and safety standards.
- **Construction Implementation and Compliance with Engineering Profession Act:** Take responsibility for the full project lifecycle, from inception (Stage 1) through to completion (Stage 6), in accordance with the Engineering Profession Act, Act 46 of 2000.
- **Project Closeout:** Oversee project closeout processes, ensuring that all deliverables are met, and client satisfaction is achieved.
- **Market Research:** Stay informed of industry trends, emerging technologies, and regulatory changes in the water sector to inform strategy and project execution.

#### Business Development:

- **Expand Service Offerings:** Identify and explore opportunities to expand Zimile's services within the water sector by introducing innovative solutions such as advanced water management technologies, sustainable design practices, and integrated water resource management. Collaborate with technical teams to integrate these new services into Zimile's service portfolio.
- **Client Presentations and Networking:** Represent Zimile at industry conferences, events, and client meetings, effectively showcasing the company's expertise and accomplishments in water engineering. Develop engaging presentations and marketing materials that emphasize Zimile's competitive advantages and experience.
- **Revenue Growth and Profitability:** Focus on securing new projects that align with Zimile's strategic objectives, driving revenue growth for the company. Ensure that business development efforts contribute to the profitability of the water division by aligning financial goals with growth strategies.
- **Consolidate Business Opportunities:** Identify new business opportunities within existing client relationships, positioning Zimile for continued success and growth in the water sector.

#### Client Relationship Management:

- **Client Liaison:** Build and maintain strong relationships with clients, ensuring the delivery of high-quality service and satisfaction with deliverables.
- **Client Interface:** Serve as the primary contact for client meetings, progress reporting, and project status updates, ensuring that client needs are understood and met.



### Innovation and Technology:

- **Software and Tools Development:** Operate, develop, and maintain relevant commercial engineering software, enhancing tools used for project planning and execution.
- **Problem-Solving:** Apply technical expertise to solve complex engineering challenges, ensuring high-quality project outcomes.
- **Interdisciplinary Collaboration:** Work closely with other engineering disciplines to ensure seamless project execution.

### Quality Assurance:

- **Quality Standards:** Ensure adherence to quality standards in all facets of design and project execution, complying with Zimile's ISO9001/2015 QMS systems.
- **Contract Compliance:** Ensure that technical and regulatory requirements as defined in project contracts are properly integrated into both design deliverables and during construction phases.
- **Safety and Constructability:** Ensure compliance with legislative safety requirements and design for constructability throughout the project lifecycle.

### Qualifications and Experience:

- **Education:** B.Eng. or B. Tech degree in Civil Engineering.
- **Professional Registration:** ECSA Professional Registration (required); SACPCMP or PMI certification is an added advantage.
- **Experience:** Minimum of 8 years of experience in water engineering, contract management, and project management, including demonstrable experience in managing teams with varying levels of expertise.
- **Specialization:** Extensive experience in the design and construction of water and sewer pipelines, pump stations, reservoirs, abstraction works, and water/wastewater treatment plants.
- **Contract Experience:** Proven track record in contract negotiation, administration, and execution.

### Fields of Expertise:

- Water engineering
- Sanitation
- Water resources management
- Process and project management
- Office management
- Contract administration and management
- Construction management

### Desired Attributes:

- Strong decision-making abilities with accountability and integrity.
- Skilled in negotiating, persuading, and influencing stakeholders.
- Proactive communicator with excellent interpersonal skills.
- Ability to strategise for the long-term vision of the company.
- Proficient in design software (AutoCAD, Civil 3D, Techno Cad Suite, Storm & Sanitary, EPANET, HEC-Ras, etc.).
- Diligent, with strong analytical and problem-solving skills.
- Ability to produce high-quality work under pressure and manage multiple tasks effectively.
- Fluent in local vernacular languages.
- Excellent organisational skills with a client-service focus.
- Flexible, with a strong work ethic and readiness to work outside normal hours if required.

### Additional Skills:

- **Software Proficiency:** Microsoft Office Suite (Word, Excel, PowerPoint, Outlook, MS Project).
- **Client Focus:** Commitment to delivering high-quality service and exceeding client expectations.



- **Communication:** Strong verbal and written communication skills with the ability to engage with clients, stakeholders, and team members professionally.
- **Problem-Solving:** Ability to think critically and creatively in solving project-related challenges.
- **Confidentiality:** Ability to handle sensitive information with discretion and professionalism.

