

Civil Engineer (Irrigation) at Reputable Company

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Company: Reputable Company

Location: Ghana

Category: other-general

KEY RESPONSIBILITIES

- Assess and survey the terrain, soil conditions, and other relevant factors of sites that could affect irrigation projects and design decisions.
- Assist in planning and designing irrigation and installation of fixtures to requirements and specifications.
- Conducts research on problems of soil drainage and conservation, applying knowledge of civil engineering.
- Develop strategies for efficient water usage, water conservation, and sustainable water management practices within the irrigation projects.
- Implement quality assurance and quality control measures to verify that the irrigation systems function as intended and deliver the expected outcomes
- Implementation of QA/QC management systems during construction
- Conduct hydraulic and hydrological analysis to determine water flow rates, pressure requirements, and irrigation distribution for optimal system performance.
- Collaborate with architects, urban planners, environmental scientists, construction managers, and other professionals to ensure a holistic and integrated approach to project development.
- Engage in ongoing research and development to stay up-to-date with the latest technologies, materials, and techniques in the field.

QUALIFICATION

- Education: A bachelor's degree in Agricultural Engineering, Civil Engineering with a specialization in water resources or a related field is typically required. Additional education or certifications in irrigation design and management are advantageous (or equivalent experience)
- In-depth knowledge of irrigation principles, water hydraulics, irrigation system components, and modern irrigation technologies.
- Proficiency in industry-standard software such as AutoCAD, Civil 3D and structural analytical tools

EXPERIENCE

- Minimum of 7 years' experience as a Civil engineer with irrigation background
- Membership of a recognized professional body

SKILLS AND ABILITIES

- Proficient in IT skills and other relevant software
- Technical knowledge of coastal physical processes
- Proven ability to work independently and as part of a team
- Communication and interpersonal skills
- Detail-oriented with strong analytical and problem-solving abilities

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