

Structural Design Engineer

OPPORTUNITY

Due to substantial growth and demand within the Australian infrastructure sector supporting the building and construction, traditional energy, and mining industries, Ainira Industries is currently seeking applicants for Structural Design Engineer to join our growing organisation headquartered in Melbourne, Australia.

We are an international energy, sustainability, and infrastructure powerhouse with a diverse range of assets and operations. We have offices on four continents, over 220 highly skilled staff, and maintain a steady line of upcoming projects in the building & construction and infrastructure arm of the business.

JOB DESCRIPTION

Through the projects we design, develop, commission, and operate we are building long term relationships with our customers, delivering highly scalable solutions and services that make a real difference to all our stakeholders. As Ainira continues on its evolution of innovation and growth, the best professionals are critical to our success in supporting our clients and catering to market requirements.

Reporting to the Engineering Manager Infrastructure, the Structural Design Engineer will work through an assigned portfolio that encompasses construction of buildings, and roads and other civil infrastructure. You will undertake engineering investigations and develop designs with limited supervision and assist project manager and senior engineers for design projects to facilitate timely delivery of capital works programs.

RESPONSIBILITIES

- Undertaking necessary planning, investigations, and concept development of planned building and construction, and infrastructure capital projects
- Interpret and understand the Project Scope and Technical Requirements related to Structural Systems
- Provide detailed technical advice to the senior engineers and project managers, and liaise with architects and civil disciplines to communicate requirements and develop fully coordinated design outcomes
- Prepare detailed designs for building and construction; roads, rail, port terminals and facilities; and other civil infrastructure as per the Investigations and Design process within estimated time and budget
- Undertaking the concept and detailed design using 12D, Tekla Structures, AutoTURN, and AutoCAD programs, and in accordance with Company's Investigations and Design Process
- Using and sharing your CAD and 12D knowledge with other members of the design team to enhance and expand the Investigations and design services capabilities
- Consider constructability in all design outcomes, and participate alongside relevant team members to discussions with client and relevant project stakeholders
- Manage subcontractors, quality assurance and client feedback, and ensure effective communications of any changes and modifications to secure integrity of the overall design
- Develop procurement specifications and scopes of work to facilitate delivery of parts and equipment
- Confirming that designs are completed in accordance with acceptable engineering standards and, where applicable, to the requirements of relevant government authorities

- Checking and assessing design and survey information received to ensure that it is technically accurate and sufficient for the specific project
- Liaising with Project Managers in the preparation of civil design projects and assessing the works prior to submitting to the Senior Civil Design Engineer and Coordinator Investigations and Design
- Assist the Coordinator Investigations and Design for managing Design Project using the best practiced project management methodology based on global best practice and trends
- Preparing and checking civil construction estimates with limited supervision, specifications and quantities as well as those prepared by trainee/work experience engineers
- Assessing project briefs and ensuring all investigations and design process have been completed with limited supervision to ensure to meet the project outcomes
- Having a clear understanding and putting into practice the contents of Investigations and Design Services Quality System in compliance to AS/NZS and ISO9001
- Follow Company's policies and procedures when carrying out work to ensure risks are managed; report all incidents, risks and issues to Management on a timely manner

SKILLS and ABILITIES

- Bachelor's degree in Building & Construction/ Civil/ Structural Engineering, or Construction Management
- Experience in local ground conditions of complex Australian civil and mining infrastructure projects, and proven expertise in preparation of design documentation and cost estimates for such programs
- Ability to read and interpret construction plans, blueprints, and technical drawings, and proven experience in AutoCAD, Civil 3D/12D, and Tekla Structures
- Strong project management expertise, and the ability to manage multiple projects simultaneously, and adhere to project timelines and quality requirements
- Demonstrated high degree of initiative and attention to detail, alongside high level professional and technical design skills including problem-solving, project costing and budgeting
- Sound written and verbal communication, negotiation, organisational and interpersonal skills, including the ability to liaise with technical and non-technical staff/stakeholders at all levels
- Excellent knowledge of legislation, regulations, design standards, and code of practice relating to the design, construction, management, and Occupational Work and Safety of civil and construction projects
- Ability to work in a fast-paced environment and adapt to changes in project requirements, both independently and as part of a team to achieve project goals

COMPENSATION

The Company offers a competitive compensation and benefits package.

APPLY

Click "Apply" below or use form in the Contact section – quote the reference number HR-IFR-0025. Only the shortlisted candidates will be contacted. Thank you for your interest.

Recruitment agencies, please note that no agency candidates will be accepted.