

Principal Design Engineer | Temporary Works

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Company: CaSE International

Location: Melbourne

Category: other-general

Principal Design Engineer | Temporary WorksJob Type

Full Time

Category

Design Services

Location

Melbourne

About the job...

If you want to feel passionate about your work again and proud of the difference you make, join CaSE International. We are leading specialists in civil and structural engineering, providing innovative solutions for infrastructure projects across the globe. Our design and technical consulting team provide structural design and site support services, relating to temporary works design, permanent works interface and construction phase works for major bridge and infrastructure projects.

Firstly, get to know us a little better to see if we're the right fit for you...

We believe in keeping it real– there's no ivory towers at CaSE. From our CEO down, all our engineers are actively involved on projects. This keeps us real, responsive, and relevant.

We believe in doing great work, on time, every time– we know our stuff and our clients rely on us to provide creative solutions to their toughest challenges.

We believe in family– we're a family-owned business that has grown through reputation. We'll never let you just be a number - you're involved in our future every step of the way. Join us in time to be part of our strategy workshops in Q1.

We believe in building our futures together— we focus on setting you up for success through our development discussions, mentoring programs and tailored training solutions. Our dedicated Leadership and Performance Coach helps our team manage and enhance both our work and personal lives.

We believe in delivering on diversity and inclusion— we don't just accept difference, we celebrate it, we support it, and we thrive on it for the benefit of our employees, our services, and our community. CaSE is proud to be an equal opportunity employer and the recipient of the 2022 Sydney Metro Business NSW Excellence in Diversity and Inclusion Award.

If we sound like a good match for you, check out this opportunity for a Principal Design Engineer.

Role Responsibilities:

Leading and growing a small design team, including mentoring some junior engineers, opportunity to be involved in hiring of more junior design engineers.

Competent in breaking down larger design scopes into small parts to assess hours for each stage and provide a competitive offer for our clients (tendering).

Managing scopes within agreed budget of hours with best utilising resources available, including overseas.

Undertake design duties across all facets of the company's engineering services under the general area of Specialised Temporary Works Design, from concept through to construction while considering the impact on permanent works.

Specialist skills in FEM modelling desired. Our software palette is SpaceGass, Midas Civil, Strand7, Autodesk suite incl Robot, Tekla Structures/Tedds.

Acquire/reinforce/expand on knowledge in your area of expertise under the guidance and mentoring of senior professionals.

Work within the Design Team to conceptualise structural solutions, embrace agreed concept, and further develop structural designs & documentation to required level of completion.

Become a leader in providing technical temporary works solutions.

Efficiently utilise, and where required undergo training on specialist structural design software including current and future.

Coordinate with the design team and transfer information clearly to drafter/detailer. Flexibility due to time difference with other offices is required.

Ensure, check that design intent is clearly translated onto drawings without potential for

misunderstandings.

Be responsible for your design and associated design documentation, ensuring timely flow of information, and to ensure design-related issues are resolved efficiently and cost-effectively.

Always work to minimise design risk and ensure all design is robust.

Assist with technical input and estimates to assist with Tenders and Proposals.

Discuss priorities with your Line Manager, especially when faced with multiple tasks to complete, limited time, and/or conflicting deadlines.

Give regular updates on progress and give advance notice if deadline cannot be met.

Complete timesheets regularly.

Minimum Requirements, Skills and Attitude:

Preferably be registered as Chartered Engineer (Structural) with Engineers Australia (or aspiring to do so within 6 months).

Some site experience and a practical attitude to solving construction related problems.

Experience in complex structural engineering, such as complex bridge projects, complex methodologies.

Structural degree with sound to advanced ability in structural steel and concrete design. Good understanding of structural systems and load path based on first principles.

Familiar with Australian Standard Design Codes of Practice.

Competency with 3D structural analysis software.

Proactive problem-solving capability.

Attention to detail and accuracy in all facets of work.

Computer literacy including MS Outlook, Word, Excel.

Excellent organisational and time management skills.

Strong communication and report writing skills.

Work well in a team.

Honest and trustworthy, possess cultural awareness and sensitivity.

Apply now so we can chat with you about these roles and provide you with a more detailed job description.

Does this sound like you? Apply now!

We acknowledge and pay our respect to the traditional custodians of the lands and waters of NSW, and all Aboriginal Elders, past, present and emerging. We are an equal opportunity employer that is committed to inclusion and diversity and will not discriminate against any applicant or employee on the basis of age, sex, sexual orientation, race, colour,

creed, religion, ethnicity, national origin, alienage or citizenship, disability, marital status, familial status, military or veteran status, or any other legal recognized protected basis under federal, state or local laws, regulations or ordinances.

Please fill out the form below and we will get back to you ASAP

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