



## **K&C Australia Structural Blast Engineer Opportunity**

### **About Karagozian and Case**

Karagozian & Case (K&C) is an internationally recognised multidisciplinary science and engineering consulting firm founded in 1945. K&C is a leader in the explosive effects and protective design field. Our mission is focused on solving complex and challenging problems for the defence, space, energy, security, construction and manufacturing industries using state of the art testing, analysis and design methodologies developed over our 75 year history.

K&C's rapidly growing practice areas include:

- applied research and testing
- modelling, simulation and analysis
- product and software development
- protective design engineering
- threat and vulnerability assessments

### **Career Opportunity**

K&C Australia is seeking an experienced and talented structural engineer with interests in designing, assessing, and analysing structures and facades for accidental and/or intentional explosive and impact events. The interested candidate should have a strong interest in, and/or demonstrate technical experience in the following areas:

- structural engineering design including structural dynamics
- finite element analysis (LS-DYNA or similar) and/or computational mechanics
- research and development
- technical writing

This position will be based in the Sydney office to support the delivery of numerous large scale complex infrastructure and protective engineering design projects. Explicit experience in blast engineering design is not a pre-requisite but a valued plus. Applicants without demonstrated blast engineering experience must have strong fundamental knowledge of first principles structural dynamics.

We will provide opportunities and encouragement for you to develop your technical skills and to grow into project management, marketing, and business development, as your interests dictate.

**Karagozian & Case Australia.**

|[www.kcse.com](http://www.kcse.com)|

## Candidate Requirements

- Bachelor of Civil/Structural Engineering or equivalent.
- Master of Science or Engineering preferred.
- 3-5+ years of experience in structural engineering.
- Australian Citizenship preferred (*not explicitly required - international applicants with demonstrated experience welcomed to apply*).
- Achieved RSES, CPEng, or pursuing professional qualification.
- Strong understanding of structural dynamics and first principles.
- Eligible for Defence security clearance.
- Ability to design in steel, concrete and masonry from concept to detailed design.
- Strong understanding of façade engineering.
- Experienced in hostile vehicle mitigation and vehicle dynamics assessments
- Familiarity with protective design guidelines.
- Experience in risk management and security.
- Excellent organisational and project management skills.
- Strong written/verbal communication skills.
- Proven experience in technical report writing and delivering technical presentations, with the ability to communicate and engage with non-technical audiences.
- Highly motivated, proactive, and willing to take on new challenges.
- Ability to develop and maintain successful client relationships.
- Experienced delivery of major projects with demonstrated multi-disciplinary coordination.
- Demonstrates effective quality management strategies to maintain an ongoing standard of excellence.
- Experience in AutoCad, Revit, Sketchup preferred but not required.
- Proficient with technology and quickly adapts to new programs and software.

Interested candidates should send a resume and cover letter to [careers@kcse.com](mailto:careers@kcse.com).