



## **Protective Design 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. With our head office located in Glendale, USA, our Australian office, in Sydney, NSW is looking to expand in order support the delivery of numerous high profile transport infrastructure, commercial, government and defence projects.

K&C's rapidly growing practice areas include:

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

### **Career Opportunity**

K&C Australia is seeking a 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
- façade engineering
- security and/or risk management
- finite element analysis and/or computational mechanics
- research and development
- technical writing

This position will 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 engineering mechanics and structural dynamics.

We will provide opportunities and encouragement for you to develop your technical skills and to grow into leadership roles to support 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.
- Master of Science or Engineering preferred.
- 2+ years of experience in structural engineering preferred. Graduates welcomed to apply.
- Strong understanding of structural dynamics and first principles engineering mechanics.
- Ability to design in steel, concrete and masonry from concept to detailed design.
- Understanding of façade engineering preferred.
- Familiarity with protective design guidelines and/or strong interest in protective design.
- Excellent organisational skills.
- Strong written/verbal communication skills.
- Highly motivated, proactive, and willing to take on new challenges.
- Experience in AutoCad, Revit, Sketchup preferred but not required.
- Proficient with technology and quickly adapts to new programs and software.
- Australian Citizenship preferred (*not explicitly required - international applicants with demonstrated experience in protective design and strong technical capability welcomed to apply*).
- If Australian, eligible for Defence security clearance.