



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

### **About Karagozian and Case**

Karagozian & Case (K&C) is an internationally recognized multidisciplinary science and engineering consulting firm founded in 1945. K&C's mission is to engineer specialized solutions and products for the defense, space, energy, security, construction and manufacturing industries. K&C's rapidly growing practice areas include: 1) applied research and testing; 2) modeling, simulation and analysis; 3) product and software development; 4) protective design engineering; and 5) threat and vulnerability assessments.

### **Career Opportunity**

K&C Australia, based in Sydney, Australia, is seeking a talented structural engineer with interests in designing, assessing, and analyzing structures for accidental and/or intentional explosive events. The interested candidate should have a strong interest in and a demonstrated introductory experience with the following areas: (1) advanced structural engineering design, (2) finite element analysis and/or computational mechanics, (3) numerical programming (MATLAB, at a minimum), (4) research and development (5) technical writing.

This position includes an initial relocation for blast and protective design training in the United States (US) at K&C's headquarters in Los Angeles, CA. The selected new hire will spend their first months of employment in the US learning the fundamentals of protective design, single degree of freedom (SDOF) methods for blast applications, high-fidelity physics-based modeling and K&C's custom in-house software packages. Following the training period in the US, the new hire will return to work in the Sydney Australia office to support the delivery of protective engineering design projects.

### **Candidate Requirements**

- Bachelor of Civil/Structural Engineering or equivalent.
- Master of Science or Engineering preferred.
- 2+ years of experience in structural engineering design.
- Australian Citizenship preferred.
- Achieved or pursuing professional qualification in the professional engineering profession.
- Strong understanding of structural dynamics and first principles.
- Eligibility for security clearance.
- Ability to design in steel, concrete and masonry from concept to detailed design.
- Understanding of façade engineering.
- Excellent organizational and written/verbal communication skills.
- Highly motivated, proactive and willing to take on new challenges.
- Ability to develop and maintain successful client relationships.

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

**Karagozian & Case Australia.**

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