

Systems Engineering & Assurance

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Company: KBR Inc.

Location: Brisbane

Category: other-general

JOB DESCRIPTION

Title:

Systems Engineering & Assurance

Description

Frazer-Nash is a multinational consultancy with a legacy that traces back a century. We continue to innovate and redefine the industries we are involved in, providing strategic advice and world-leading technical excellence that deliver genuine impact on society.

We offer diverse and structured career paths for the world's best talent so they can help us forge a secure, mobile, and sustainable society. As part of our team, you will benefit from the breadth and diversity of what we are doing today and become part of the fabric that shapes where we are headed next.

Our Systems Engineering project portfolio is across diverse industries from defence to healthcare, energy production to transport and infrastructure. We focus on refining our clients' needs and ensuring that the solutions they seek are fit for purpose, safe and sustainable.

Our purpose is to use our skills and talents to enable our clients to ensure a safe and sustainable future for society, where natural resources are conserved, and our security and safety is assured. We aim to support rapid and far-reaching transformations in the delivery of the energy, security, infrastructure, and transport solutions of today to improve the world of tomorrow.

The Opportunity

At Frazer-Nash we offer professional engineers of any technical discipline a dynamic work

environment, where you bring your own expertise to our group but with an enthusiasm for working across sectors and broadening your experience base.

As a member of Frazer Nash, you will not only be part of a team that consistently delivers high-quality technical outcomes but also have the opportunity to collaborate with clients from the outset. You will be involved in planning and developing delivery strategies that provide the best value for your clients.

Our group has specialised at the intersection between traditional Systems Engineering thinking, Innovation management and Data Science to achieve a leap forward in terms of how our clients' solutions are designed and managed effectively and efficiently through life.

We currently have projects that involve:

Providing systems and safety engineering to nationally important Defence projects.

Providing systems engineering and safety assurance support to rail infrastructure projects in Perth, Sydney, and Melbourne.

Digitising systems engineering processes for increased productivity.

Supporting Defence in their delivery of their innovation portfolio.

Deploying machine learning in using big data to analyse and manage critical infrastructure.

Leading the thinking on autonomous systems assurance and unlocking existing regulatory frameworks to enable autonomous operations.

Improving the efficiency of power generation and transmission networks through innovative modelling and analysis.

Your responsibilities will grow whilst in Frazer-Nash and could include:

Identifying and minimising project risks using proven Systems Engineering and Assurance approaches throughout the project lifecycle, from concept to commissioning.

Leading and managing Verification and Validation program across the project, ensuring user needs are captured and met through design and related activities.

Engagement and close coordination with various stakeholders, including Design,

Construction, Software, Environmental, and Sustainability subject matter experts, to ensure technical requirements are verified and validated to enable and support safety case development.

Leading or facilitating integrated workshops to identify risks and controls in areas such as Systems Safety, RAM, Human Factors, and more.

Collaborating and aligning with project owners, capability operators, and the independent assessors to progressively assure systems are functional, fit for purpose, safe, and reliable prior to delivery.

Generation of technical management plans, establishing system architecture, configuration and change management processes, and supporting integration and interfacing with external projects and stakeholders.

Requirements

Australian Citizenship and/or be eligible to obtain an Australian Defence security clearance (essential).

Bachelor of Engineering / Science Degree (desirable).

Experience of regulated industries / frameworks, for example railway, defence, nuclear (desirable)

Systems engineering knowledge and experience (desirable).

System safety and assurance experience (desirable).

Professional body membership, for example Engineers Australia, INCOSE / SESA (highly regarded).

Experienced in the application of computer aided system engineering tools, for example DOORS, MBSE tools (highly regarded)

Excellent client management/stakeholder engagement skills (or the aptitude to learn).

Benefits

A workplace culture certified as a Great Place To Work

Flexible working

Competitive salary (including annual reviews)

Support in attaining professional membership

Paid parental leave

Income protection

Corporate rewards

Salary packaging/Novated leasing

Employee stock purchase plans

Flu shots, skin checks and discounted private health insurance

Career development: Online learning, professional development and career pathways

If you're interested, and think you have what we're looking for, we'd love to hear from you.

Apply Now!

#LI-NG1

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