# Position Details

## Research Projects- CSOF5

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| The following information is for applicants | |
| Advertised Job Title | Senior Fire Safety Engineer |
| Job Reference | 94177 |
| Tenure | Indefinite or Specified Term of 3\_ years  Full-time |
| Salary Range | AU$ $105,806- AU$114,500 per annum (pro-rata for part-time)  plus up to 15.4% superannuation |
| Location(s) | Clayton, Victoria |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | * Australian/New Zealand Citizens and Australian Permanent Residents * All Candidates |
| Position reports to the | Team Leader – Fire Safety Engineering |
| Client Focus – Internal | 10% |
| Client Focus – External | 90% |
| Number of Direct Reports | 0 |
| Enquire about this job | Alex Webb alex.webb@csiro.au |
| How to apply | Apply online at <https://jobs.csiro.au/>  Internal applicants please apply via **Jobs Central**  If you experience difficulties when applying, please email [careers.online@csiro.au](mailto:careers.online@csiro.au) or call 1300 984 220. |

**Acknowledgement of Country**

CSIRO acknowledges the Traditional Owners of the land, sea and waters, of the areas that we live and work on across Australia. We acknowledge their continuing connection to their culture and pay our respects to their Elders past and present. View our [vision towards reconciliation](https://www.csiro.au/en/about/Indigenous-engagement/Reconciliation-Action-Plan).

**Child Safety**

CSIRO is committed to the safety and wellbeing of all children and young people involved in our activities and programs. View our [Child Safe Policy](https://www.csiro.au/en/about/policies/child-safe-policy).

### Role Overview

CSIRO is Australia’s premier research organisation and we are actively seeking an accomplished Senior Fire Engineer to join our dynamic team in Melbourne. This role presents a unique opportunity to contribute to fire engineering solutions for a range of high-profile projects. As a senior member, you'll be at the forefront of driving fire safety design, ensuring compliance with codes and standards, and delivering innovative performance solutions. This role goes beyond traditional fire engineering by involving collaboration with Australia's leading research institution, participation in full-scale fire testing. Fire safety consulting including specialist areas such as rail infrastructure, combustible façade risk assessments, and wildfire projects. A chance to design and conduct ad-hoc fire tests, involvement in hot smoke testing in major tunnel infrastructure, publish academic papers and active contributions to Australian standards.

With over 75 years of experience, Infrastructure Technologies specializes in testing, research, and consulting services for the building and infrastructure sector. Our NATA-accredited laboratory hosts a diverse array of fire, safety, acoustic, vibration, and materials tests. We boast specialized, purpose-built testing equipment and facilities, ensuring precise and timely results that empower our clients' innovations and strategies. Our work extends to consulting with clients and government bodies, as well as contributing to the development of industry standards.

We are dedicated to offering consulting and testing services aligned with the framework outlined in National Legislation and National Construction Code (NCC), spanning sectors including building construction, rail, transport, defence, space, and infrastructure.

Whilst direct experience in Australian fire safety consulting is desirable, CSIRO will consider strong candidates either from overseas or from other consulting, research or testing fields where strong capabilities and an ability to rapidly adapt to the Australian fire safety engineering environment can be demonstrated.

### Duties and Key Result Areas

Under appropriate guidance, you will:

* Lead fire safety engineering design and consulting projects from inception to completion, ensuring alignment with project requirements, codes, and standards.
* Develop comprehensive fire safety strategies, performance designs, and inventive solutions.
* Effectively manage and execute projects, addressing design complexities and technical risks and managing clients and stakeholders.
* Create reports and perform calculations to support design concepts.
* Foster strong professional relationships with team members and key stakeholders (internal and external). Communicate transparently, efficiently, and respectfully to uphold strong business practices, promote collaboration, and enhance the company's reputation.
* Adhere to our Code of Conduct, Health, Safety, and Environment protocols, Diversity initiatives, and Zero Harm objectives.
* Fulfill additional tasks as assigned.
* Adhere to the spirit and practice of CSIRO’s Code of Conduct, Health, Safety and Environment plans and policies, Diversity initiatives and Zero Harm goals.
* Key areas of fire safety consulting will include building construction, facade fire safety, public transport and rollingstock fire safety, , tunnel hot smoke testing and materials flammability performance.

## **Selection Criteria**

#### Essential

*Under CSIRO policy only those who meet all essential criteria can be appointed.*

* Attainment of tertiary qualifications in relevant Engineering or Science fields, specializing in Fire Safety Engineering, fire protection engineering, or related disciplines.
* Either current Victorian Registration as Building Practitioner – Fire safety engineering or the current level of education and experience pre-requisite to attaining registration.
* A minimum of 5 years of hands-on experience in fire engineering or a related consulting, research or testing discipline, preferably within a consulting environment.
* Proficiency in basic office software tools and some level of experience with computer modelling.
* Strong communication, presentation, and report writing skills, complemented by adept problem-solving abilities through teamwork, stakeholder engagement, and client interactions.
* Demonstrated initiative, accountability, and adeptness in managing multiple projects while adhering to commercial deadlines and income targets.
* Proficient in producing comprehensive technical reports.

## **Desirable**

* Graduate Diploma, Masters or Phd in Fire Safety Engineering, Fire Protection engineering or similar (desirable).
* Thorough understanding of Australian building codes, fire safety regulations, and standards.
* Proven experience in performance-based fire safety design for buildings or infrastructure.
* Proficiency in fire safety software and design tools.
* Expertise in façade fire safety for existing buildings.
* Expertise and experience in fire safety regulations and consulting for rail and passenger train infrastructure.
* Institute of Engineers Australia Chartered Engineering status
* Your expertise, experience and existing consulting networks will facilitate growth of the CSIRO fire safety engineering team.
* Expertise and experience with standard fire testing and bespoke fire behaviour experiments.

## **Required Competencies**

* **Teamwork and Collaboration:** Cooperates with others to achieve organisational objectives and may share team resources in order to do this. Collaborates with other team as well as industry colleagues.
* **Influence and Communication:** Uses knowledge of other party's priorities and adapts presentations or discussions to appeal to the interests and level of the audience. Anticipates and prepares for others’ reactions.
* **Resource Management/Leadership:** Sets up and maintains effective and efficient work teams and manages performance and resources, to achieve objectives. Chooses appropriate management strategies and communication styles to maintain high levels of motivation and productivity. Gives feedback for development purposes and provides support and direction for improvement.
* **Judgement and Problem Solving:** Investigates underlying issues of complex and ill-defined problems and develops appropriate response by adapting/creating and testing alternative solutions.
* **Independence:** Plans, sets and works to meet challenging standards and goals for self and/or others. Recognises where endeavours will make the most impact or difference, decides on desired outcome and sets realistic goals to reach this target.
* **Adaptability:**Copes with ambiguity or situations that lack clarity. Adapts readily to changing circumstances and new responsibilities (which may include activities outside own preferences) in the interests of achieving team objectives. Recognises the need for and undertakes personal development as a result of changes.

Special Requirements

Appointment to this role is subject to provision of a pre-employment background check and may be subject to other security/medical/character clearance requirements.

Include if relevant:

* The successful candidate will undertake a pre-employment background check. Please note that individuals with criminal records are not automatically deemed ineligible. Each application will be considered on its merits.
* If the successful candidate is not an Australian Citizen or Permanent Resident, they may be required to undergo additional security clearances, which may include medical examinations and an international standardised test of English language proficiency (i.e. IELTS test).- https://ielts.com.au/

## **About CSIRO**

We solve the greatest challenges through innovative science and technology. Visit [CSIRO Online](http://www.csiro.au/) and for more information.

CSIRO is a values-based organisation.  In your application and at interview you will need to demonstrate behaviours aligned to our values of:

* People First
* Further Together
* Making it Real
* Trusted

BENEFITS.

* Competitive package
* Flexible working hours
* Good work life balance
* Above industry standard Superannuation
* Great projects and development as well as great team environment. Genuine career growth opportunities.
* Campus facilities including on-site child care, café, gym

## **Join Us:**

* This is an unparalleled opportunity to drive innovation in fire engineering while collaborating with industry leaders and contributing to Australia's infrastructure development. To apply, please submit your updated CV and a cover letter highlighting your alignment with the essential and desirable criteria.