# Position Details

## Technical Services - CSOF3

|  |  |
| --- | --- |
| The following information is for applicants | |
| Advertised Job Title | CBIS Mechanical Engineer – Engineering Services |
| Job Reference | 93502 |
| Tenure | Specified Term of 1 year |
| Salary Range | AU$68,148 - AU$86,733per annum (pro-rata for part-time)  plus, up to 15.4% superannuation |
| Location(s) | Clayton VIC |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | * All Candidates |
| Position reports to the | Coordinator – Engineering Design |
| Client Focus – Internal | 90% |
| Client Focus – External | 10% |
| Number of Direct Reports | 0 |
| Enquire about this job | Roshan Dodanwela  [Roshan.Dodanwela@csiro.au](mailto:Roshan.Dodanwela@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

The role of Technical Staff in CSIRO is to provide support for scientific research in a diverse range of laboratory and field situations across a range of different research projects. This support consists of the application of accepted technical practices and the development of new practices. The work is usually carried out as a member of a centralised service.

CBIS Engineering Services is a centralised engineering group whose purpose is to streamline CSIRO’s research process by providing services and knowledge that reduce project setup time, meet required standards, and continue the technical area of projects through engineering design and manufacture. The group focuses on the following areas: engineering, design, mechanical fabrication, electrical, electronics, documentation, robotics, automation, software, controls, machine and electrical safety, maintenance, repair, and project management.

### Duties and Key Result Areas

* Develop and design components and systems for use in Space applications such as satellites.
* Follow design into manufacturing process and ensure manufacture is completed to specifications.
* Use of CAD, specifically Autodesk Inventor and Solidworks; create and maintain drawings and other documentation; create and oversee quality assurance procedures.
* Material selection, FEA, and shape and weight optimisation.
* Produce engineering drawings in accordance with AS1100
* Support a culture of continuous improvement.
* Practise a system of open and honest communication.
* Ensure compliance with CSIRO policy and procedures and actively support HSE to help achieve CSIRO goal of “zero harm”.
* Ensure compliance with the CBIS values of inclusion, transparency, and respect.
* Create relationships across all connected Engineering Groups across CSIRO.
* Contribute to initiatives to improve cost, quality, compliance, capability, and customer service.
* Participate with research project leaders to develop initiatives that require engineering.
* Work with customers to develop the best system for their research and deliver on time.
* Working with research staff and team members to research into new technologies and implement into scientific research projects.
* Ensure all necessary codes, standards, and practices are followed.
* Travel domestically when necessary. Two to three times per year.

## **Selection Criteria**

#### Essential

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

1. A tertiary degree in Mechanical Engineering or equivalent area.
2. Demonstrated technical knowledge and skills related to leading and managing engineering projects.
3. Strong people and communication skills to ensure on-time delivery of projects.
4. Demonstrated experience using metrology for Quality Assurance of manufactured components
5. CAD: at least two years with Autodesk Inventor and Solidworks for design and drawings
6. At least two years’ experience in design of components for Space applications.

## **Desirable**

1. Experience in project management.
2. Experience working in a research facility.

## **Required Competencies**

* **Teamwork and Collaboration:** Proactively seeks and considers the ideas and opinions of others from within and outside the team to help form decisions, plans or actions.
* **Influence and Communication:** Puts forward ideas by presenting factual information supported by data, definitions, examples, illustrations or other aids, which will assist in conveying meaning.
* **Resource Management/Leadership:** Provides instruction and assists other staff to complete allocated tasks and activities.
* **Judgement and Problem Solving:** Identifies and considers the implications of a range of available alternatives in order to select the most appropriate response to problems of a familiar or recurring nature.
* **Independence:** Recognise and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction).
* **Adaptability:**Willingness to change ideas or perceptions based on new information, contrary evidence or other people's points of view. Prepared to try out different approaches.

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/) 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