# Position Details

## Research Projects- CSOF3

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| The following information is for applicants |
| Advertised Job Title | IoT Smart Home Technology Installer (4 x Casual positions) |
| Job Reference | 98499 |
| Tenure | Specified Term of 3 months Part-time/Casual (approx. 25 hours per week, on an ad-hoc/“as-needed” basis, during regular business hours) |
| Salary Range | AU$38.37 – AU$48.84 per hour, plus 25% casual loading and up to 15.4% superannuation |
| Location(s) | Sydney NSW (2 positions) and Brisbane QLD (2 positions) |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | * Australian or New Zealand Citizens
* Australian Permanent Residents
* Australian Temporary Residents, currently residing in Australia, with an existing valid visa and unrestricted work rights for the duration of the term (at least until May 2025) and **no requirement for visa sponsorship**. (Please note this does not include bridging visas or other visas that are dependent upon the approval of future visas).
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| Position reports to the | Team Leader/Senior Research Scientist, Building Energy Efficiency team |
| Client Focus – Internal | 0% |
| Client Focus – External | 100% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Pippa Soccio via email at pippa.soccio@csiro.au or phone +61 3 9545 2191 |
| 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 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 Nationwide House Energy Rating Scheme (NatHERS) is an Australian program that establishes a standardised method for assessing and improving the energy efficiency of homes. It uses software to analyse a building’s design—looking at materials, insulation, windows, and shading—based on the local climate and makes assumptions about how energy is used by the occupants. However, these assumptions have never been tested. Therefore, as part of this program, the [Apartment Energy Behaviour Study (AEBS)](https://ahd.csiro.au/aebs/) is a three-year project funded by the Department of Climate Change, Energy, Environment and Water (DCCEEW), that involves a series of long-term monitoring studies in apartments across Australia, at the single occupancy unit scale, to evaluate how closely the assumptions made by the NatHERS about occupant behaviour match with real outcomes.

This project will gather real-world data on household energy usage, with a focus on cooking habits, work and study routines, and activities related to relaxation, cleaning, and maintaining indoor comfort. It will only involve apartments and not detached houses. The results will help improve apartment energy efficiency research and inform changes to the NatHERS software.

A critical part of the project is the installation of monitoring devices in 430 apartments in Melbourne, Sydney, south-east Queensland and Darwin. While the Project Leader will oversee the installations in Melbourne and Darwin, the casual staff in these positions will be responsible for the installations in Sydney and south-east Queensland. There will be two casual staff in each location, and they will report to the Project Leader, who will provide oversight including fortnightly visits in person to check progress and remote troubleshooting. Each installation takes about one hour, and the casual staff will receive comprehensive in-person/on-the-job training, tailored to ensure confidence in performing each installation and be supported in their role.

### Duties and Key Result Areas

* Install IoT sensors using simple, non-invasive adhesive labels. Most of these devices are battery operated, so simply ‘set and forget’.
* Scan each apartment with an iPad to generate a detailed floor plan.
* Conduct a brief audit of the apartment’s design and appliances (this is a checklist).
* Under limited supervision, design equipment and adapt techniques to meet special circumstances and client needs or undertake modifications to methods or equipment requiring limited innovation.
* Use discretion to decide which methods are used and schedule work to meet future demand.
* Respond courteously and efficiently to client requests, and maintain clear communication regarding mutual expectations.
* Communicate openly, effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Work collaboratively as part of a multi-disciplinary, regionally dispersed research team, and business unit to carry out tasks in support of CSIRO scientific objectives.
* Adhere to the spirit and practice of CSIRO’s Values, Code of Conduct, Health, Safety and Environment procedures and policy and diversity initiatives.
* Other duties as directed.

## **Selection Criteria**

#### Essential

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

1. **Relevant Qualification or Work Experience:** Minimum requirement of a ‘Certificate IV in Home Energy Efficiency and Sustainability’, **and/or** demonstrated experience or qualifications in a relevant field such as architecture, engineering, environmentally sustainable design, building monitoring, post-occupancy evaluation, or home energy assessment.
2. **Attention to Detail**: Ability to conduct accurate audits of apartment designs and appliances based on checklists and capture detailed floor plans using a provided iPad.
3. **Interpersonal Skills**: Strong communication and interpersonal skills for entering and working within residents' homes respectfully and professionally.
4. **Reliability and Time Management**: Ability to work independently and manage time effectively to arrive on time and complete installations within the allocated timeframe.
5. **Physical Requirements**: Ability to carry out installation tasks that may require bending, reaching, or carrying small devices across various apartment settings.
6. **Current Driver’s License:** A valid Australian driver’s licence, and the flexibility to travel to various installation locations within the assigned regions.
7. **Current Working With Children Check:** Ability and willingness to obtain and provide evidence of holding a valid paid/employee (not volunteer) Working with Children/Vulnerable People Check.

## **Desirable**

1. **Experience with IoT or Smart Home Technology**: Prior experience with installing or working with IoT devices, home automation systems, or similar technology.
2. **Interest in Energy Efficiency and Environmental Monitoring**: Familiarity with or interest in energy efficiency initiatives, environmental comfort, or similar fields.
3. **Project Experience**: Experience working on large-scale research or monitoring projects, particularly in residential or energy-focused studies.
4. **Flexibility and Teamwork**: Willingness to collaborate and coordinate with other team members, including potentially working alongside a paired installer.

## **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.

* 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.
* Due to the nature of the role, this position has child safety obligations. Accordingly, the successful candidate will be required to obtain and provide evidence that they hold a valid paid/employee (not volunteer) Working with Children/ Vulnerable People Check prior to confirmation of appointment.

## **About CSIRO**

We solve the greatest challenges through innovative science and technology. Visit [CSIRO Online](http://www.csiro.au/) and [Apartment Energy Behaviour Study - Australian Housing Data](https://ahd.csiro.au/aebs/) 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