# Position Description

## Research Projects – CSOF3

The following information is for applicants

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| Advertised Job Title**:** | Research Process Technician – Gasification Processes |
| Job Reference: | 62023 |
| Relocation Assistance**:** | Will be provided to the successful candidate if required. |
| Applications Are Open To: | Australian/New Zealand Citizens and Australian Permanent Residents Only |
| Percentage of Client Focus - Internal: | 80% |
| Percentage of Client Focus - External: | 20% |
| Reports to the: | Team Leader, Gasification Processes |
| Number of Direct Reports: | 0 |
| Name and Contact Details For Applicant Enquiries | David Viano  Phone: 07 3327 4173  Email: [David.Viano@csiro.au](mailto:David.Viano@csiro.au)  Lucio Fogliaresi  Phone: 07 3327 4669  Email: [Luc.Fogliaresi@csiro.au](mailto:Luc.Fogliaresi@csiro.au) |
| Contact Details For Applying | Call 1300 984 220 or email [careers.online@csiro.au](mailto:careers.online@csiro.au). |
| How to Apply: | Please apply online at [jobs.csiro.au](https://jobs.csiro.au/) and enter the requisition number**.** Internal applicants please apply via ‘Jobs Central’ through the ‘People Hub’ icon  Please do not email your application directly to David Viano or Lucio Fogliaresi.   Applications received via this method will not be considered by the selection panel. |

## Role Overview:

Research Projects staff in CSIRO collaborates in scientific and technological activities with other research staff usually by assisting with detailed planning, undertaking or assisting with experimental, observational or technology development work, and in carrying out the more practical aspects of the work such as building and maintaining scientific machines and apparatus.

The role of the Research Process Technician is to maintain and operate large scale industrial Laboratory and its machinery. In this role they will be working with scientists in building of new machinery for project and internal work, to convert ideas into functional and practical equipment

Working within a scientific team the technician will work on experiments including setting up the experiments, performing routine operations and the formal collection of data. Collecting accurate measurements they will use to provide engineering diagrams.

## Duties and Key Result Areas:

* Working with the Senior Process Technician and senior research staff, help to maintain and operate bench-scale and large scale high pressure and temperature experimental facilities.
* Day-to-day assistance for maintenance and operation as required of general laboratory equipment, such as gas analysers, furnaces, ovens, sample preparation equipment etc.
* Participant in experimental work programs and record details of the work in laboratory notebooks and existing databases using established procedures.
* Assist in the preparation of coal and other samples for experimental work on large scale and small scale facilities in amongst other competing tasks;
* Respond courteously and efficiently to requests for your services, keep clients informed about progress and redirect requests to appropriate staff when required
* Maintain a high standard of housekeeping, awareness of and adherence to, relevant Occupational health, Safety and Environment issues
* 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, often regionally dispersed research team, and business unit to carry out tasks in support of CSIRO’s scientific objectives.
* Adhere to the spirit and practice of CSIRO’s Code of Conduct, Health, Safety and Environment plans and policies, Diversity initiatives and Zero Harm goal
* Other duties as directed.

## Competencies:

1. **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.**
2. **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.**
3. **Resource Management/Leadership: Provides instruction and assists other staff to complete allocated tasks and activities.**
4. **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.
5. **Independence: Recognise and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction).**
6. **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.

## Selection Criteria:

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

1. Relevant trade certificate/diploma in a mechanical or instrumentation or relevant work experience
2. Possess some laboratory-based experimental skills, including some expertise in high pressure and temperature laboratory instrumentation and analytical techniques;
3. Sound knowledge of PC based applications for world processing, spread sheeting and database management;
4. Demonstrated ability to work independently and follow instructions safety;
5. Have a flexible approach to problem solving under general direction;
6. Sound knowledge of and commitment to OHS policies and EEO principles.

## Desirable Criteria:

1. Experience with gases and/or gasification processes;
2. Training and/or certification in forklift operation, tube bending and fitting.

## Special Requirements:

To be eligible for this position, the successful candidate must have a current Australian drivers licence.

Appointment to this role may be subject to conditions including security/national police/medical/character clearance requirements.

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