

Position Description – Project Engineer Flinders Factory of the Future

Updated 16 July 2025

POSITION DETAILS

College/Portfolio	College of Business, Government and Law
Organisational Unit	Flinders Factory of the Future
Supervisor (Title)	Manager, Operations – Flinders Factory of the Future
Classification	Higher Education Officer Level 6
Employment Type	Fixed-term, full-time

POSITION SUMMARY

The Flinders Factory of the Future supports programs of innovative applied collaborative research projects with manufacturing industries. The focus of these activities will be on industries of strategic importance to the state and the country, including engagement with small to medium enterprises (SMEs). Flinders Factory of the Future will accelerate the adoption of innovative advanced manufacturing technologies to create more sustainable, competitive and world-class companies.

The Project Engineer will play a key role in successfully delivering of research and development projects meeting expectations of key industry and university stakeholders.

Under broad direction of the Manager, Operations and in accordance with the strategic goals of the University, the Project Engineer will contribute as part of a multi-disciplinary project team to research and development projects with industry and government partners as part of the Factory of the Future facilities at the Tonsley Innovation District.

The position will support the delivery of Flinders University's strategic research goals with a focus on driving digital transformation through advanced manufacturing technologies.

UNIVERSITY EXPECTATIONS AND VALUES

All staff at Flinders are responsible for understanding their obligations and responsibilities as set out in the University's code of conduct and are expected to:

- demonstrate commitment to the University's values of Integrity, Courage, Innovation, Excellence, and the underlying ethos of being Student Centred;
- contribute to the efficient and effective functioning of the team or work unit to meet the University's objectives. This includes demonstrating appropriate and professional workplace behaviours, providing assistance to team members, if required, and undertaking other key responsibilities or activities as directed by one's supervisor;
- promote and support an inclusive workplace culture which values diversity and embraces the principles of equal opportunity;
- perform their responsibilities in a manner which reflects and responds to continuous improvement; and
- familiarise themselves and comply with the University's *Work Health and Safety, Injury Management and Equal Opportunity* policies.

A Nationally Coordinated Criminal History Check (NCCHC) which is satisfactory to the University will be required by Flinders University before the successful applicant can commence in this position.

KEY POSITION RESPONSIBILITIES

The Project Engineer will be accountable for:

1. Providing technical advice including demonstration of equipment, procedures and techniques to key stakeholders during events, delegation visits and on an individual basis.
2. Delivery of scoped and budgeted research projects that are conducted in Flinders Factory of the Future.
3. Maintaining current records relating to plant and equipment to ensure product support, maintenance and troubleshooting is managed to a high standard. Liaising and collaborating with suppliers may be required.
4. Assisting in the setup of new demonstrations and equipment to maintain current and relevant for key stakeholders.
5. Complying with and ensuring that WHS procedures and safe working procedures and risk assessments are followed and regularly reviewed and updated and that appropriate inductions, training and personal protective equipment is provided for anyone using equipment.
6. Providing assistance and supporting the operational responsibilities of the Flinders Factory of the Future.
7. Some out of hours work (including weekends) as well as rural SA, interstate and overseas travel, may be required.
8. Any other responsibilities in line with the level of the role as assigned by the Supervisor and/or the University.

KEY POSITION CAPABILITIES

- Completion of an undergraduate degree with relevant experience in engineering; or an equivalent combination of experience and/or education and/or training.
- Demonstrated ability in undertaking research with limited supervision and the ability to work both independently and collaboratively with other researchers in project or research teams.
- Demonstrated knowledge and experience in the use of advanced manufacturing technologies and the application of human factors in advanced manufacturing.
- Demonstrated ability to deliver projects on time.
- Demonstrated well-developed interpersonal skills and the capacity to collaborate and engage with diverse stakeholders and industry partners.
- Demonstrated well-developed oral and written communication skills including the preparation of professional reports.
- Demonstrated high-level organisational abilities including the ability to set priorities and meet competing deadlines.
- Demonstrated experience or an ability to learn a range of computer software languages.