

## Project Engineer

- Duty station: Suva, Fiji
- Candidate: Fiji national
- No deadline – please apply as soon as possible
- Duration: 12 months (3 months probation)
- Reports to:
  - Build Team Leader (Suva)
  - Fiji Country Coordinator (Suva)
  - Objective 1 (Design & Engagement) Lead (Melbourne)
  - Objective 1 (Design & Engagement) Suva focal point (Melbourne)

This is a Suva-based position with remuneration to suit candidate's experience.

### Background

Revitalising Informal Settlements and their Environments (RISE) is an action-research program which aims to demonstrate that a water sensitive cities (WSC) approach to water and sanitation management can improve human and ecological health in informal settlements. The program is operating in 24 informal settlements across Suva, Fiji and Makassar, Indonesia.

The WSC interventions of the RISE program operate on varying scales – household, neighbourhood, and precinct. They include built elements, such as sanitation and drainage improvements, rainwater harvesting facilities and green infrastructure (constructed wetlands). The success of the RISE interventions will be measured by the health and wellbeing of residents – particularly children under five years of age – and the ecological diversity of the surrounding environment.

### The role

The RISE program is currently seeking up to two **Project Engineers** to join our team in Suva, and support the detailed design development of WSC infrastructure for the RISE sites. We are looking for someone who has excellent technical skills, experience with green infrastructure (or a keen willingness to learn), is passionate about working with communities and is capable of taking on a leadership role in the implementation of specific work activities. The candidate will be working within a diverse team of construction specialists, engineers, planners, architects, researchers and community fieldworkers who are based in both Suva and Melbourne.

### Key responsibilities

1. Develop technical design solutions to inform co-design activities;
2. Assist with the preparation and delivery of co-design activities and workshops with communities;
3. Develop technical and social design solutions in response to the co-design output brief;
4. Lead on specific work activities for project implementation.

### Detailed duties

- Carry out detailed site investigations, undertake calculations and sizing of civil infrastructure, and develop technical solutions to inform co-design activities;
- Participate in the development of co-design activities and materials;
- Participate in all community co-design activities, including leading select components;
- Support discussions around land tenure and placement of critical infrastructure items with households and communities in line with required RISE and funder safeguards and

- processes;
- Develop co-design outputs into technically robust, costed concept designs;
  - Support the community and household consent process, including preparation of materials and participation in presentations and discussions;
  - Collect field data required for design implementation;
  - Evaluate and select construction materials and products;
  - Coordinate with third parties, including external consultants (e.g. surveyors, detailed engineering designers, environmental impact assessment consultants), approving and referral authorities (e.g. Suva City Council, iTaukei Land Trust Board, Water Authority of Fiji, Fiji Roads Authority, the Ministry of Local Government, Urban Development, Housing and Environment, and other local and national agencies), suppliers, program staff and partners;
  - Support with reporting, design documentation and costing activities.

### Technical skills

- Significant experience with AutoCAD
- Knowledge of QGIS preferred
- Proficient hand drawing
- Proficient in Microsoft Excel spreadsheet for costing and planning activities;
- Use of Microsoft Word for planning and reporting on activities;
- Excellent written and verbal communication skills;
- Proficient in written and spoken English (proficiency in Fijian is a benefit but not a mandatory requirement).

### Required qualifications and experience

- Minimum Bachelor degree in civil engineering, or related discipline
- At least 3 years of experience with:
  - designing and managing construction projects;
  - water, sanitation infrastructure design and systems,
  - familiarity with community-based development and participatory design processes

### How to apply

Please send your cover letter and CV to:

RISE Fiji Country Coordinator  
81 Naivurevure Road Tamavua  
c/- Live & Learn Environment Education  
Private Mail Bag  
Suva, Fiji

Or

Email: [isoa.vakarewa@livelearn.org](mailto:isoa.vakarewa@livelearn.org)    And cc    Email: [Diego.Ramirez@monash.edu](mailto:Diego.Ramirez@monash.edu)  
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