



FIELD READY

Roles Description – Field Engineer

October 2024

ABOUT FIELD READY

Field Ready is an international non-governmental organization dedicated to empowering people living in complex environments to make the things they need, where they need them, when they need them. We do this by bringing innovation to international disaster relief and increasing the capacity of local supply chains in aid and development.

Our vision is to meet humanitarian needs by transforming logistics through technology, innovative design, partnerships with local manufacturers and leading relief organizations, and engaging people in new ways. We make useful items to solve problems locally using the latest technology, as well as traditional local manufacturing. We build capacity to extend this impact and enable others to foster their own resilience. In the long term, we are building an organization that can respond to need wherever it may be most felt. The impact of this will be dramatically improving the efficiency of aid delivery by meeting people's needs where they experience them whether at an underserved health clinic, remote distribution point, or evacuation center. Field Ready is a US-based 501c3; more information can be found at www.fieldready.org.

POSITION SUMMARY

Field Ready is looking for a highly capable Field Engineer to implement an upcoming program focused on disaster risk reduction in the Pacific region. The role of Field Engineer is key to achieving our aims in the region. The post holder will be responsible for supporting all aspects of technology management and technological capacity building, working with technical staff in multiple locations. This is a very special opportunity for someone who wants to manage a unique approach combining the latest innovations with traditional methods to improve the delivery of aid.

The post holder reports to the Senior Project Engineer, is expected to make projects decisions with them and will co-ordinate closely with a local and international team of engineers. The position will be working closely with a team of engineers and designers to do product development and fabrication support, and regularly delivers training and workshop activities to build local capacity. The position holder will also be deployed in the field to provide technical skills and expertise on rapid repairs and product installations during a community development activity or humanitarian response.

The position holder will be based in Suva, Fiji and will undertake extensive travel in the Pacific region including to Samoa, Kiribati, Fiji, Vanuatu, Solomon Islands, and Marshall Islands. This position is open to any Pacific Island

Countries. Anyone from Fiji, Vanuatu, Samoa and Solomon Islands are highly advised to apply. And female applicants are highly encouraged.

RESPONSIBILITIES

The following are illustrative responsibilities that are expected to evolve over time and depend on the organisational and programmatic needs. An effective Engineer will combine relevant technical know-how with excellent interpersonal skills and an ability to 'get things done' under challenging conditions. The Engineer's responsibilities for this task include but are not limited to:

1. Develop and manage technical work-plans to ensure proper and timely implementation of assigned projects and technical tasks.
2. Design and prototype products with the use of woodworking, metalworking and digital fabrication tools available at Field Ready's Makerspace together with a team of Field Engineers.
3. Engage with local manufacturers and suppliers around many pacific islands countries to coordinate manufacturing contracts and manage production completion. This will involve training and assistance on manufacturing processes and techniques to properly make the products that Field Ready has developed in its highest standards.
4. Meticulously conduct Field Ready's Product Documentation Process with engineering drawings, product manuals, and mapping manufacturers, suppliers and capabilities of other countries when traveling.
5. Provide technical input into tender documents preparations, proposals, bid evaluations, contractor procurement, supply chain, designs and installation of equipment.
6. Ensure regular communication with technical and admin teams, especially with regards to risk, procurement and project monitoring.
7. Assist in addressing technical training needs, conduct training as appropriate for Field Ready staff and apprentices, as well as for communities and for key stakeholders when being deployed in the field.
8. Represent Field Ready to outside partners when required.
9. Ensure the highest possible quality and rigour, with high standards of engineering professionalism.

QUALIFICATIONS

Required competencies:

- Technical: being skilled in the use of a wide range of manufacturing equipment and experience in practical engineering and product design and being a first-rate 'maker', hands-on making, equipment maintenance/troubleshooting, CAD, concept generation, product development & prototyping.
- Project management: the ability to effectively manage technical projects throughout their life cycle, backed up by project management experience.
- Line management: the ability to effectively manage a small team of apprentices, trainees and volunteers.
- Partnerships: the ability to maintain and grow relationships with external partners including manufacturing partners and donors.
- Working with others: the ability to work effectively with others and promote a congenial work environment.

- Self-management: the ability to undertake technical work independently in a potentially challenging environment.
- Needs assessments: the ability to conduct needs assessments to identify need and engage with users/beneficiaries which may lead to innovative engineering opportunities.
- Humanitarian commitment: knowledge of or experience in a humanitarian or development setting and an understanding of the principles that govern humanitarian action.

Required skills and experience:

- English Language: excellent written and interpersonal communication in English.
- Local work: practical experience of working in the manufacturing, engineering or technical sector in the Pacific region.
- Location: ability and willingness to travel around the region for periods up to two months at a time.
- Knows how to use the Microsoft Office tools
- Knows how to use Solidworks as a CAD Software

Desirable criteria:

- Training: Experience of delivering technical training.
- Humanitarian work: experience working with vulnerable groups such as people with disabilities. Familiarity in working with institutional partners and donor grants (e.g., USAID/ UN Agencies) is a distinct advantage.
- Networks: strong connections in the manufacturing sector and ability to use them for the furtherance of Field Ready's vision.
- Education: Professional engineering, product design, or technical vocational qualifications in manufacturing.
- 3 Years work experience in the field of engineering, design and manufacturing.
- Has a wide array of fabrication skills and knowledge.

How to Apply:

Applications will be accepted until **November 22nd** (5pm, Fiji time).

Interested candidates should submit a cover letter and CV in English (in PDF Format) to the following email address: **hr.pacific@fieldready.org**

Attaching your engineering, design or fabrication portfolio is highly welcomed.

Please state **"Application – Field Engineer"** in the subject line of the email.