



Field Programs Engineer

Organization:

In today's world, nearly 1 out of every 3 people in the world lacks access to clean water, and even more people live without safe sanitation options such as toilets or latrines. Billions of people also lack access to basic and life-saving healthcare technologies. Without access to appropriate healthcare equipment and safe, reliable water and sanitation, billions of people around the world face dangerous conditions, disease, and even death.

Design Outreach (DO) exists to solve these global challenges through the development of innovative and appropriate technologies in the Water, Sanitation, Hygiene (WASH) and Global Health sectors. We do this by engineering technologies that are appropriate for the context and communities in which they are used and by providing a high level of quality in all our products. As a Christian humanitarian engineering organization, our vision is to see low-income and marginalized communities around the world transformed physically, economically, and spiritually. We have seen firsthand the transformation that happens in communities where LifePump, DO's flagship technology, has been operating for years without failure—evidence that appropriate and reliable technology solutions can break the cycle of poverty and provide bridges to share the Gospel.

Design Outreach is a small team with global impact. At Design Outreach, you will have the opportunity to dive into a diverse set of projects, have high-level ownership of your work, and make a direct impact on our mission. Our team has grown from 5 to over 30 staff members in under three years and continues to expand as we strive to be the global leader in appropriate technology development.

DO's work environment is highly collaborative. Our staff work alongside, learn from, and influence subject matter experts in the implementation of life saving appropriate technologies. In the next three years, we are planning to deploy seven technologies in the WASH and Global Health sectors. In collaboration with our Gospel partners, we plan to reach over 1,000 communities with safe water and the Gospel through LifePump.

What will your impact be? We invite you to find your purpose and live out your calling at Design Outreach. Join our team, and work alongside others who are committed to putting their faith into action!

Position:

Design Outreach exists to alleviate global poverty through life-sustaining technology. As a non-profit organization, we cannot do this without understanding the impact we are having in communities. We want our field partners and the communities they serve to be raving fans of DO and the appropriate technologies we create. This requires working closely with our R&D department in the US as well as DO field offices, Ministry of Water officials, NGOs, and missionaries around the world.

It is for those reasons that we have created the new position of Field Programs Engineer. The person in this position will report to the Field Programs Director and work alongside the Field Programs, R&D, and Stewardship teams.

Specific Responsibilities:

Responsibilities include, but are not limited to, the following:

- Oversees the tracking of installation and maintenance of appropriate technologies and analyses the data to develop effective preventative maintenance strategies.
- Liaises with field offices to ensure the smooth operation of installed technology including identification of required parts, tracking of in-country warehouse supply levels and predicts when supplies need sent to ensure consistent supply chain.
- Coordinates with R&D department on field testing of new appropriate technology and strategies effective implementation measures.
- Develops engineering solutions to problems affecting technology implementation. An example could be the development a bespoke roof rack for LifePump components for use on rough terrain.
- Travels solo or in teams to developing countries to meet with existing and new partners and carry out other the key functions of the Field Programs Engineer role listed here.
- Networks and evangelizes about DO technologies at domestic and international conferences.
- Coordinates collection of media and stories on appropriate technology impact to share with the Stewardship department.
- Contributes to cost-benefit analysis, and strategies on how, when, and where to setup supply chains and country offices.
- Coordinates shipping of equipment, parts, and tools to field partners, including understanding customs/duty for imports.
- Inputs into research programs to measure impact of appropriate technologies for use in publications, financial partners, and appropriate technology development.
- Advocates in the humanitarian engineering field for DO's unique capabilities to create appropriate technology.
- Researches and develops value propositions that resonate with ministry partners so they can convince their financial supporters of the need for better appropriate technologies even if the up-front cost is higher.
- Assists advocacy efforts to Ministry of Water officials for policy change in collaboration with field partners and DO staff.

What We Need From You:

- Understand and support the mission of a Christ-centered organization dedicated to sharing the Gospel by word and deed.
- Be passionate about Design Outreach's vision and motivation, as outlined in the case for support and employee handbook.
- Be kingdom and abundance minded when working with ministry partners.
- Display a positive attitude, show concern for people and community, demonstrate presence, self-confidence, and excellent listening skills.

- Can understand and clearly communicate the value proposition of DO appropriate technologies to various audiences and backgrounds.
- Be self-directed, action-oriented, detail-oriented, and collaborative.
- Work effectively with donors, volunteers, and allied organizations, many of whom may be motivated by a deep commitment to serving Jesus Christ.
- Ability to effectively network at conferences.
- Superb written and verbal communication skills.
- Ability to adapt quickly to new and changing situations.
- Have experience and high proficiency with Microsoft Office products.
- Undergraduate degree, MS preferred.
- Must be a US or British citizen with ability to travel internationally to developing countries, with the ability to travel domestically and internationally to meet with NGOs, MoW officials, missionaries and financial partners.
- Ability to commit an average of 8 hours per day, 5 days per week (40 hours total per week).

Salary/Benefits and Details:

- Competitive/commensurate with experience and other qualifications.
- This is a support raised position and the candidate will be required to raise support according to DO's policies before starting the position.