

**JOB DESCRIPTION**

**Job Title: CHARTERED STRUCTURAL DESIGN ENGINEER (VOLUNTEER)**

**Reports to:** BeehiveDirector of Design and Construction

**Pay Grade:** Voluntary

**Duration:** Minimum 6-months

**Start Date:** February 2025

**Locations:** MALAWI - Beehive Centre for Social Enterprise, Chilomoni, near Blantyre

**Provisions:** 1 x return flight from London Heathrow to Blantyre Malawi

1 x TEP (Temporary Employment Permit) for Malawi to cover the duration of your stay

 Medical fees, medical vaccinations and Malaria medication costs

 Sharded private accommodation and basic board for the duration of your stay

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**OVERVIEW:**

Are you ready for a profound change? Do you seek meaning and purpose in your life? Imagine dedicating a minimum of 6-months to uplift one of the world's most deserving communities in Malawi, Africa.

Our volunteers consistently describe their experience as life-changing, joyful, and uniquely transformative. The Krizevac Project, initiated 15 years ago, has evolved from a symbolic cross on a mountain to a thriving community around the base of Chilomoni, Blantyre, Malawi. Our enterprises, ranging from brick-making to plant rental, are fostering positive change, and now, our comprehensive campus for Lifelong Learning, known as Mary Queen of Peace Catholic Institute, officially launched in 2023, is already making a lasting impact on the educational and spiritual welfare of the community.

We are offering an exciting opportunity for an experienced Chartered Structural Design Engineer to live and volunteer in Malawi, South-East Africa, and truly make a positive impact on a hard-working but incredibly poor community. The successful applicant will be responsible for developing and delivering the structural design concepts and details for several large-scale projects across a range of different sectors - in 2025, this will range from low-rise student hostels, a multi-storey University building, and a large, sprawling agricultural-industrial park, and far more beyond…

**RESPONSIBILITIES:**

* To communicate and coordinate with the Project Architects and other Technical Consultants, in both Malawi and the UK, to ensure that structural documents are correct, accurate and safe for construction
* To work closely with the Construction Manager, Foremen and Local Engineers in Malawi to gain a solid understanding of how structures are built in Malawi
* To regularly communicate with the Architectural design team in Malawi to ensure that Engineering design requirements are well-balanced with Architectural design requirements
* To consider and critique the seismic design principles set-out by the Engineering Team in the UK during structural design development activities
* To be active on site, and to discuss any site queries which may arise during construction with the Construction Manager, Director of Design and Construction, or Local Structural Engineer, and agree on a resolution
* To contribute to discussions on procurement, and visit local suppliers, to better understand the sizes / types of products available in Malawi, so as to inform Engineering specifications and procurement strategies being recommended for structural elements
* To offer other general advice / guidance, both conceptual and physical, on developing structural aspects of various projects
* To mentor and train local Junior staff members

**GENERAL COMMITMENTS:**

* To attend weekly / fortnightly in-house team meetings on Construction / Procurement / Design, and to contribute meaningfully to those meetings
* To attend fortnightly Design Team meetings with the wider Design and Engineering team, and to contribute meaningfully to those meetings
* To be on site during the working hours agreed with the Director of Design and Construction

**PERSON SPECIFICATION:**

* A strong Degree in Civil or Structural Engineering
* A minimum of 5 years structural design experience
* Experience of site inspection essential
* Experience with developing and outputting structural design packages essential
* Experience with working on industrial buildings a bonus
* Experience with designing and developing façade systems a bonus
* A resourceful approach to finding alternatives to details and methods of construction used in the UK
* Expert knowledge of UK design standards and regulations
* Strong communication skills, both written and verbal
* Chartered with ISTructE or ICE

**ATTRIBUTES:**

* Open-minded and adventurous
* Excellent communication skills
* Ability to set and meet deadlines for yourself and junior assistants
* Flexible and happy to change focus at short notice when required
* Ability to adapt designs quickly to changing external circumstances
* Patient and accepting of new working cultures and methods

Our ideal candidate will thrive on the challenge of working with demanding terrain and in a climate that may test building foundations.

Board, Accommodation, Visas, and Health Insurance are provided - please inquire for full details. One return flight per year is also included.

To apply, email your current CV, and a letter of interest explaining why you're interested in volunteering in Africa, to **info@krizevac.org**. Clearly state the job title in your application. For further information or an informal chat, call Zoe Kasiya at 01543 888494.

Shortlisted candidates will be contacted by telephone to discuss the next steps of the recruitment process. Visit **www.krizevac.org** for more information about Krizevac Project.

**Seize this opportunity to make a lasting difference in the world! Apply now.**