

Student Engagement and Capacity Building Lusaka, Ongoing (2020-2025)



BACKGROUND

Building the skills and leadership of young Zambian engineers is central to EWB-Zambia's mission. While University of Zambia (UNZA) provides strong theoretical training, students often have few opportunities to gain hands-on experience or work on projects that address real community challenges.

4 QUALITY EDUCATION



2 students in full time employment through project

+12 student volunteers involved each year.

+50 engineering students empowered with practical skills.



PROJECT DESCRIPTION

To bridge the gap between academic knowledge and the engineering industry, EWB-Zambia designed a capacity-building program in 2020. Over the past five years, dozens of students from the University of Zambia (UNZA) have worked alongside professional engineers and gained hands-on experience in underserved rural communities. Students have engaged in project design and fieldwork, received mentorship from experienced engineers, and participated in technical workshops, hackathons, and innovation challenges. Miyoba Water Project is one of the projects where students assisted design and on-site installations. They also supported the Chimpanje Solar Mini-Grid is another by conducting energy demand assessments as part of their internships. This project contributes directly to SDG 4: Quality Education, by equipping students with skills and connections for future engineering opportunities.

FOSTERING STUDENT LEADERSHIP

Through this initiative, more than 50 engineering students have gained practical skills, project management experience, and exposure to community-driven problem solving. Graduates have gone on to lead development projects or work in the wider engineering and sustainability sectors, multiplying the program's impact. One example is Kanyanta Makasa, who contributed to the design and planning of the Chimphanje Rural Health Center. Shortly after graduation, he joined W&H Solar Ventures, the contractor for our first installation, as an Assistant Engineer.

Are you a student or young professional eager to learn by doing?

Join EWB-Zambia and gain hands-on experience. Work alongside experienced engineers, build practical skills, and make a difference in rural communities.

Visit ewbzambia.org/volunteer

For additional project information, email: info@ewbzambia.org