



ENGINEERS WITHOUT

B  R D E R S

HARVARD JOHN A. PAULSON
SCHOOL OF ENGINEERING & APPLIED SCIENCES

INFORMATION FOR SPONSORS

2016 - 2017

ABOUT US

Harvard John A. Paulson School of Engineering & Applied Sciences (SEAS) Engineers Without Borders USA strives to promote leadership and global consciousness among students by working on community-driven, economically sustainable, and culturally conscious engineering projects.

- We partner with developing communities around the world to create sustainable engineering solutions that meet basic human needs and improve quality of life.
- Over the past nine years, the Harvard SEAS chapter has grown to over 40 currently active members and over 200 alumni.
- The chapter currently engaged in projects within two countries: a water supply project in the Dominican Republic and a school construction project in Tanzania.



Lindiwe Makgalemele, Mkutani Project Lead, with school children in Mkutani. July 2016.

In 2011, Harvard SEAS Engineers Without Borders began working with the community of Pinalito, Dominican Republic on a water supply project. Previously, the community had been collecting water from a nearby river, which resulted in water-borne illnesses. The community desired regular easy access to clean and safe drinking water.

PROJECT IMPACT:

- After weighing different design options, the project team worked closely with the community leaders to drill a ground water well and rehabilitate an existing water storage and distribution system.
- In January 2014, Harvard SEAS EWB successfully drilled the well and in August 2014, the chapter completed the upgrade of the water distribution system.
- To this day, the community has access to potable drinking water, understands the importance of a secure water source, and has established a community fund to maintain the water system.



Contractors prepare for drilling in Pinalito. January 2014.

Christopher Lombardo, Faculty Advisor, and William Jameson, Project Lead, measure flow rate in Pinalito. January 2014.

Building on the chapter's success in Pinalito, the neighboring community of Los Sanchez, consisting of 300 people, approached our chapter in 2015. The members of Los Sanchez do not have reliable access to clean water, a problem the project team aims to resolve.

PROJECT DESCRIPTION:

- Water is pumped from a well into the existing distribution system by an electric pump. The existing small distribution system was constructed haphazardly which resulted in leaks and insufficient pressures.
- Additionally, over one quarter of the community are not even connected to the system. Thus, there is highly irregular access to water.
- The project team is designing a water distribution system to incorporate an existing but unutilized storage tank. This new system will allow a greater portion of the community to have regular access to clean water.



Lyra Wanzer and Chandler Brown, Project Lead, collect topographical data in Los Sanchez. January 2016.

In 2016, the Harvard SEAS Chapter began working with the community of Mkutani, Tanzania on a structural and sanitation project. Currently, most of the village's 600 school children attend a four classroom building complex.

PROJECT IMPACT:

- Tanzania's recent compulsory education laws and abolition of primary school fees reflect increasing government support for primary education. However, the current school is not large enough to accommodate the growing student population and severe structural issues create an unsafe learning environment.
- The Harvard SEAS Chapter has partnered with the Boston Professional Chapter to build sustainable school houses, teacher residences, and latrine systems.
- This infrastructure development will allow Mkutani's students to have access to a structurally sound and sanitary learning environment appropriate for the size of the student body.



STRUCTURES &
SANITATION

Students from Mkutani gather outside to learn basic phrases in English and Swahili. May 2016.

SPONSORSHIP LEVELS

ON AN ANNUAL BASIS.
SUBJECT TO FINAL MUTUAL AGREEMENT.

PLATINUM - \$ 10,000.00

Name and logo following Harvard EWB logo on website and on all Harvard EWB branded items.

Access to EWB resume book throughout the year.

Host a Harvard EWB on-campus event.

Harvard EWB members will visit the sponsor to present about how funds were utilized and the project's progress.

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SILVER - \$ 2,000.00

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BRONZE - \$ 1,000.00

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Samwel Makubi, Mkutani Cultural Liaison, meets with members of the Mkutani community. May 2016.

HOW TO SUPPORT OUR CHAPTER

In order to complete our work in Los Sanchez and Mkutani, we need to raise \$70,000 for construction during the summer of 2017. We cannot do this without your support. Contributing to our chapter is easy; please see the methods outlined below, or contact us for more information. Sponsorship payments are tax deductible.

SPONSORSHIP PAYMENT OPTIONS

ONLINE

Visit projects.iq.harvard.edu/ewb and click “Donate.”

CHECK

Write a check made out to “Engineers Without Borders USA - Harvard SEAS Chapter” and tear out and fill in the accompanying form on the last page. Mail the check and completed form to our mailing address below.

CONTACT US

EMAIL

ewbharvarduniversity@gmail.com

MAILING ADDRESS

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Cambridge, MA 02138



Pinalito’s children lend a helping hand. January 2014.

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