FOR MORE INFORMATION

If you'd like more information on the Engineers Without Borders program, please contact our program leader,

Kevin Riley,
at kbrnorth@gmail.com or
412-996-.8813.

You can also visit
The Nyadire Connection website
at www.nyadire.org

For further information on Engineers Without Borders and TNC's other programs. We would be happy to add you to our mailing list for the TNC newsletter and our monthly meeting minutes. Thanks for your interest in TNC and our many programs.
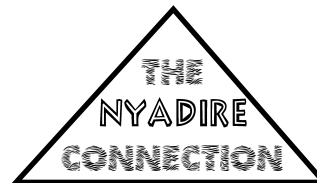

TNC OVERVIEW

The Nyadire Connection (TNC), based in Pittsburgh, Pa., is a faith-based, all-volunteer, non-profit organization that seeks to support and sustain the Nyadire United Methodist Mission in northeastern rural Zimbabwe, Africa. The Nyadire Mission offers a hospital, nursing school, school system (preschool through high school), orphanage, teachers' college, farm, and many other services to the surrounding community.

TNC was founded in 2006 after a Volunteer in Mission team of 18 Pittsburghers traveled to Nyadire for three weeks. After returning from the mission trip, many felt that support to Nyadire should be ongoing and more in depth. Since then, TNC has developed partnerships and relationships among friends in the U.S., supportive Methodist churches and Nyadire, and has provided administrative, financial and spiritual support for numerous projects and ongoing programs.

www.nyadire.org

Facebook
The Nyadire Connection, Zimbabwe

THE
NYADIRE
CONNECTION

Updated 8-2023

Engineers Without Borders

THE
NYADIRE
CONNECTION

www.nyadire.org

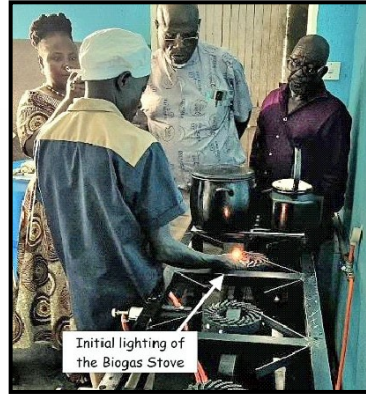Facebook
The Nyadire Connection, Zimbabwe

ENGINEERS WITHOUT BORDERS

Engineers Without Borders (EWB) is an international organization where professional engineers volunteer to resolve challenging technical problems globally. Pittsburgh's Carnegie Mellon University (CMU) has a student chapter of EWB that began working with TNC in 2013. To solve problems, the students use a very specific methodology as prescribed by the national EWB organization that requires an assessment and problem selection phase, a phase of alternative analysis, a phase for design and fundraising, an implementation phase, and a final monitoring phase to ensure the solution is sustainable.

CMU's EWB chapter has worked with TNC and our friends at the Nyadire Mission on projects such as installing solar lights. Students benefit from hands-on experience at solving technical challenges, while Nyadire benefits from their assistance and expertise.

WHAT WE DO

Initial lighting of the Biogas Stove

Working closely with the Nyadire Mission, TNC helps to identify a specific need or challenge, such as the lack of electricity at the complex. TNC then engages the CMU EWB chapter to develop a solution, based on a detailed methodology and the goal of sustainability. For example, EWB students designed and installed solar street lights at the complex along the pathways leading to mission schools. Each light has its own solar panel and battery and provides light without any connection to the country's electrical grid, which is unreliable. The lights have greatly improved security and safety at the mission. EWB also installed a bio-gas generator as an alternative to firewood for cooking high-volume meals at the mission. A pilot cell using cow and pig dung along with food waste to generate methane gas was installed at Nyadire Primary School in 2022 and is now operational.

All projects are conducted in coordination with the Nyadire Mission and TNC representatives, so the students gain a comprehensive view of the problem and potential solutions.

HOW YOU CAN HELP

TNC offers a variety of ways you can become involved in the Engineers Without Borders program:
- Make a financial contribution for a specific project
- Volunteer to work with the student engineers on a project
- Travel to Nyadire to help identify specific problems/projects

To provide financial support for Engineers Without Borders, please send your donation to:

The Nyadire Connection
c/o Christ United Methodist Church
44 Highland Road
Bethel Park, PA 15102

Checks should be made payable to The Nyadire Connection, and please put Engineers Without Borders in the memo line. Please also provide your name, address and email address so TNC can acknowledge your donation with a receipt.