



# STREAMS OF KNOWLEDGE

## Certified Technical Water Education for Ghanaian Youth

### THE PROBLEM:

Limited access to safe and reliable water in rural Ghana and a growing issue of youth unemployment

**8M**  
PEOPLE

8 million Ghanaians are without potable water<sup>1</sup>

**MORE THAN**  
**26%**

More than 26% of rural water systems are non-functional<sup>2</sup>

**1 in 3**  
Ghanaians  
ages 15-35 are  
unemployed<sup>3</sup>

1 in 3 Ghanaians ages 15-35 are unemployed<sup>3</sup>

1. www.unicef.org/ghana/water-sanitation-and-hygiene  
2. www.tandfonline.com/doi/full/10.1080/07900627.2018.1543117  
3. census2021.statsghana.gov.gh/gssmain/fileUpload/reportthemesub/2021%20PHC%20General%20Report%20Vol%203E\_Economic%20Activity.pdf

### THE OPPORTUNITY:

The Global Water Center is working with 13 organizations to increase technical and vocational capacity in the rural water sector in Ghana while providing new streams to professional careers for Ghana's youth. Together with our public and private partners, we are developing sustainable, tuition-free educational programs to equip young Ghanaians to work within the water sector.

**Two competency-based educational programs are currently being developed in collaboration with the Commission for Technical and Vocational Training (CTVET) in Ghana.**

#### NATIONAL CERTIFICATE I

**DURATION**  
18-24 months

**REQUIREMENTS**  
Secondary School

**SKILLS TAUGHT:**  
Technical plumbing, basic electrical, water treatment and quality, ethics, water systems layouts, troubleshooting, and financial management

#### NATIONAL CERTIFICATE II

**DURATION**  
12-18 months

**REQUIREMENTS**  
Secondary School,  
National Certificate I

**SKILLS TAUGHT:**  
Operation and maintenance of systems, pumps, solar-powered systems, wastewater, water safety, and community engagement

Learn more.



**PARTNERS:** **GRUNDFOS**

**Safe**  
WATER NETWORK



**Cleanearth**  
SCIENTIFIC



**POUL DUE JENSEN GRUNDFOS**  
**FOUNDATION**

**COLLABORATORS:** **unicef**

