

1000 SINS CAN HIDE IN A BOREHOLE:

Training drillers and borehole drilling supervisors in Nicaragua and worldwide

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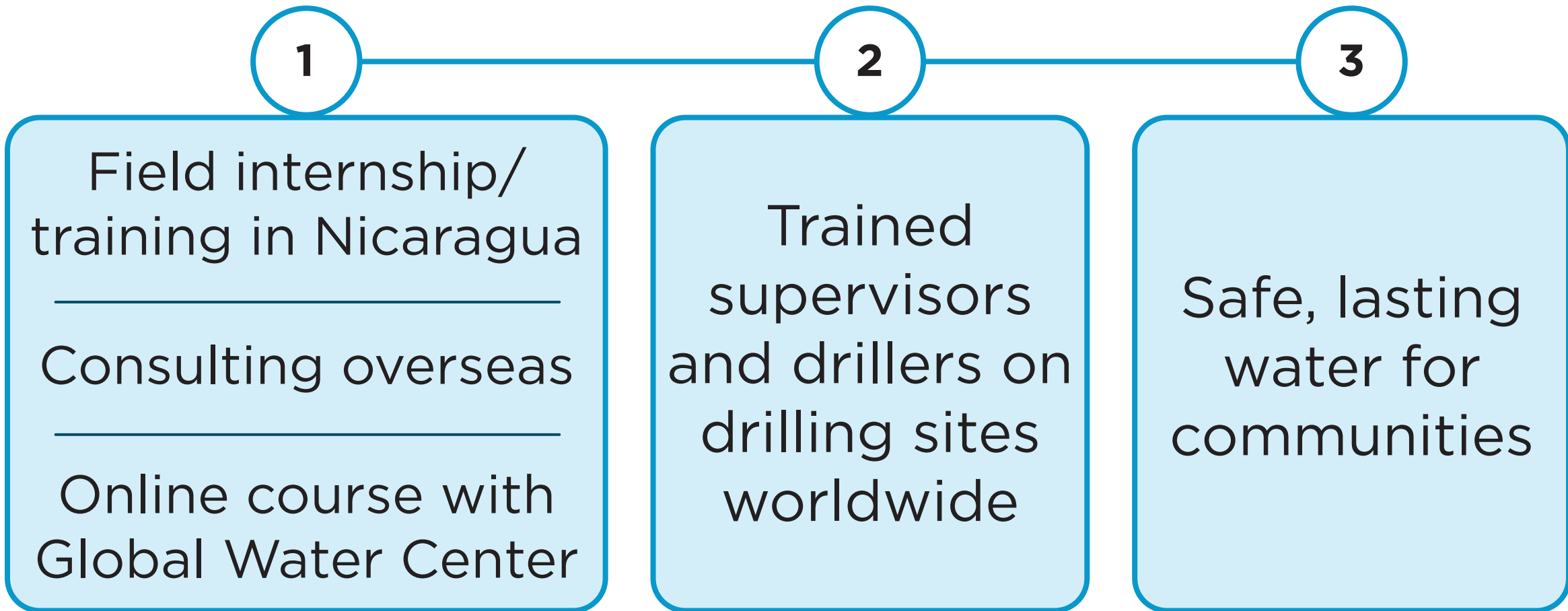


“You get what you inspect, not what you expect” - Michael Montgomery, Founder of HydroLOGICA

Why Supervision Matters

- Many boreholes underperform or fail early because of problems during siting, drilling and construction
- Sadly, people don’t always do what they’re supposed to do, and this creates problems
- We provide training to provide the most successful boreholes

Our Training Model



Outcome

- Improved drilling success and higher yielding wells
- A well built right lasts decades
- Supervision protects the community, client and the driller

Our Work in Nicaragua



Community-led
Communities help plan, and we drill and help build their own water distribution systems

Local ownership
Water committees trained to operate, maintain and manage their systems

Growing reach, projected for 2026
15 boreholes • 16 communities

Come to Nicaragua: Apprenticeships

Our apprenticeship is designed to elevate the technical capacity of individuals working with NGOs and nonprofits who are dedicated to expanding safe water access.

Apprentices join us from all across the globe at our headquarters in **Managua, Nicaragua**, for a three-month intensive program. Our unique initiative merges **classroom instruction** with **real-world, hands-on experience**, utilizing HydroLOGICA’s state-of-the-art equipment including a drilling rig, facilities, and on-the-ground projects.

The apprenticeship involves the following:

1. Borehole drilling supervision on live drilling sites
2. Siting and basic hydrogeology
3. Well construction, development and pump testing
4. Safe water access and water quality testing
5. Water well management with community water committees



“Hard work but a lot of fun. I have learned so much in such a short amount of time already” - UK Intern Sept 2026

Training Organisations, NGOs & Charities Worldwide So far in 2026:

- We train NGOs, charities, utilities and government teams in drilling supervision and well management
- We have staff in Africa and bilingual staff in Latin America
- With Global Water Center we are taking the program online worldwide
- **First Borehole Drilling Supervisors Course: Late October 2026**
- Professional Borehole Drilling Procurement and Contract Management Course: June 2026, 200 participants from over 15 countries

5 Things a Trained Supervisor Catches

Common mistakes	What the supervisor checks
1 Poor siting or wrong depth Drilling stops before a reliable aquifer	Checks the siting survey and compares the drilling log with the geology, so the well reaches a dependable water-bearing layer
Weak or no sanitary seal 2 Surface water can contaminate the well	Checks the grout/annular seal and surface completion to protect the well from contamination
Wrong screen or gravel pack 3 Sand pumping, clogging, pump damage	Checks screen slot size and gravel pack are matched to the formation
Poor well development 4 Low yield and cloudy water	Makes sure the well is developed until the water runs clear and yield is maximised
Skipped pump & water tests 5 Wrong pump size, unsafe water	Witnesses the pumping test and water sampling so the pump is sized correctly and water is safe

Outcome
Boreholes drilled right the first time

Impact
Safe, lasting water for communities

350
People
Trained

8
Organisations
Trained

10
Countries
Reached

SCAN TO LEARN MORE

Recently trained & worked with:



Train with us: Technical excellence in water well drilling

For your NGO, charity, team or yourself

We come to you
On-site training delivered overseas

Online
Courses with Global Water Center

Come to Nicaragua
Hands-on training on live drilling projects

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