

PRACTICAL CURRICULUM · DRINKING WATER WELLS · FULL-TIME

# DRILLING TECHNOLOGY FOR DRINKING WATER WELLS

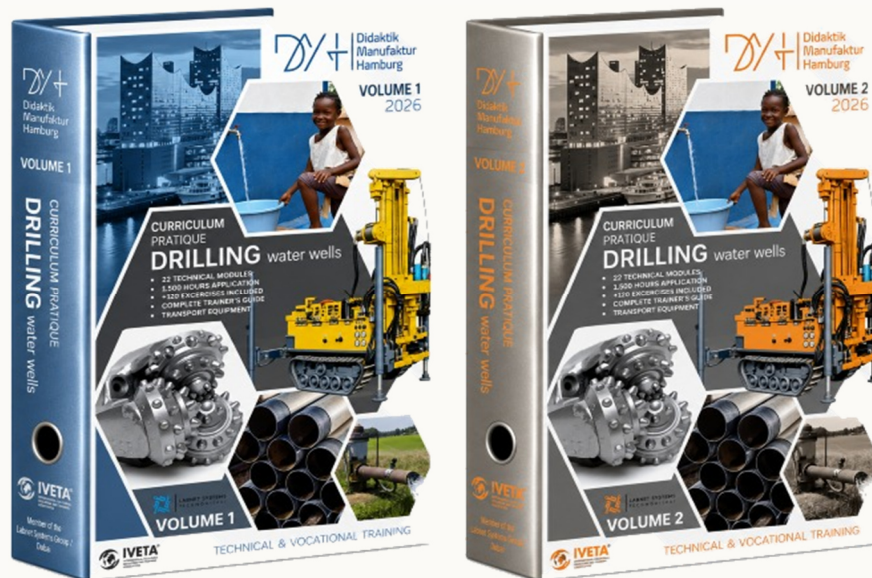
A complete, workshop-based training programme.

From site investigation to the finished, hygienic drinking water well



## THE PROGRAMME

# A poorly built well does as much harm as none at all. This programme builds it right.



**Drilling Technology for Drinking Water Wells is a workshop-based full-time programme spanning the entire value chain of a drinking water well.**

The programme runs stationary or mobile and is offered as a curriculum, as a matching equipment specification or as a turnkey package for the location.

Across sixteen modules, trainees work step by step from hydrogeology and site investigation through drilling to well completion, hygiene, pumping technology and operation.

The focus is on hands-on practice throughout. Drilling is done with real equipment, using mud rotary and down-the-hole hammer methods, with around 1,500 workshop hours and about 130 assessed exercises.

16

MODULES · M01-M16

1.500<sub>h</sub>

WORKSHOP HOURS

90<sub>+</sub>

PRACTICAL EXERCISES

350<sub>+</sub>

EQUIPMENT ITEMS

50<sub>wks</sub>

FULL-TIME

## PRACTICAL CURRICULUM

# Sixteen modules.

From hydrogeology and site through drilling and well completion to operation and value creation with a well.



## MODULE

## M01 – M16 · SEQUENTIAL

**M01 Groundwater & Hydrogeology**  
HYDROGEOLOGY

**M07 Rig, Compressor & Flushing**  
DRILLING

**M13 Pumping & Wellhead**  
OPERATION

**M02 Site Investigation & Geophysics**  
HYDROGEOLOGY

**M08 Occupational Safety & Environment**  
DRILLING

**M14 Operation, Maintenance & Spare Parts**  
OPERATION

**M03 Water Demand, Siting & Law**  
HYDROGEOLOGY

**M09 Borehole Logging & Documentation**  
COMPLETION & HYGIENE

**M15 Regeneration, Decommissioning & Sustainability**  
OPERATION

**M04 Drilling Methods & Selection**  
DRILLING

**M10 Well Completion: Casing, Gravel, Sealing**  
COMPLETION & HYGIENE

**M16 Project, Value Creation & Assessment**  
PROJECT

**M05 Mud Rotary Drilling**  
DRILLING

**M11 Well Development & Pumping Test**  
COMPLETION & HYGIENE

**M06 Down-the-Hole Hammer Drilling (DTH)**  
DRILLING

**M12 Drinking Water Hygiene & Disinfection**  
COMPLETION & HYGIENE

## EQUIPMENT

# Trained on real equipment.



01

## Drilling Rig

Mobile drilling rig with accessories, for stationary and mobile use.

02

## Drilling Tools

Drill rods and tools for unconsolidated and hard rock.

03

## Flushing & Compressed Air

Flushing system and compressor unit for all drilling methods.

04

## Consumables & Spare Parts

Material and spare parts for several exploratory boreholes.

05

## Well Completion

Complete material for one drinking water well: screen, gravel, sealing.

06

## Pumping Technology

Drinking water pump and water abstraction equipment.

~350 ITEMS · 6 CATEGORIES

BRING THE PROGRAMME TO YOUR LOCATION

# LET'S GET STARTED.



AVAILABLE AS · **Turnkey** (consulting + equipment + delivery + curriculum + setup)

