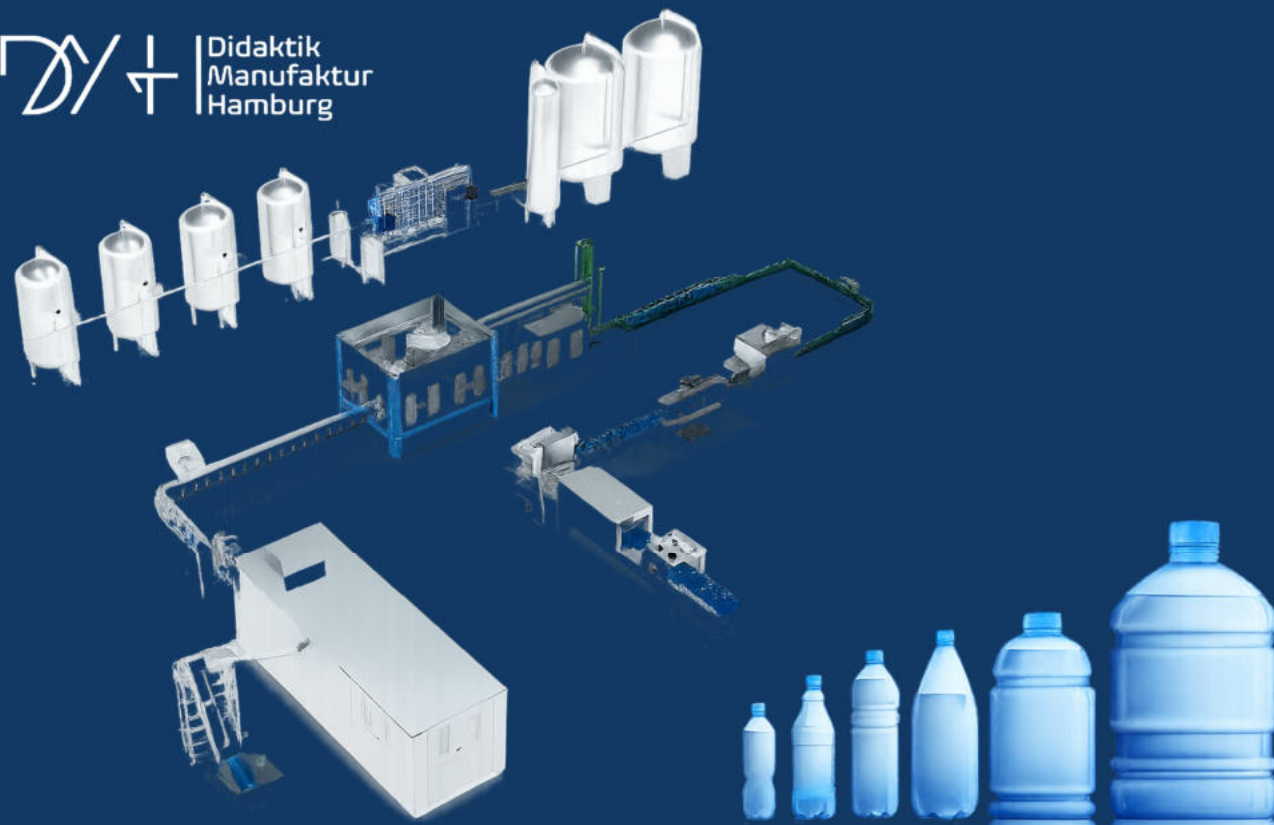




TECHNICAL **CURRICULUM** · PURIFICATION, BOTTLING & QUALITY · FULL-TIME

WATER PURIFICATION & BOTTLING PROCESSING

A complete, hands-on training program for industrial drinking water treatment and bottle filling. **From raw water to the bottled product.**

THE PROGRAM

Clean water is a precious resource. This program gives you the professional know-how to master it safely and efficiently, from raw water to the fully sealed bottle.



Water Purification & Bottling Processing is a hands-on, full-time program for industrial drinking water production.

Across sixteen modules, trainees progress from raw water analysis through filtration, reverse osmosis and disinfection to PET production, the bottling line and seamless quality assurance.

The focus is on practice throughout. Training takes place on a complete production line with treatment, stretch blow molding, filling, capping, labeling and packaging, comprising around 1,500 hours of hands-on learning and over 130 assessed exercises.

The workshop is designed to meet the international standards of drinking water production (WHO, Codex, HACCP, ISO 22000). Every module follows the uniform DMH structure and concludes with an assessed test piece.

The program is delivered as a curriculum, as an equipment specification or as a turnkey package, and is also suitable for self-financing through the sale of the bottled water.

16

MODULES • CORE

1.000_h

HANDS-ON LEARNING

130₊

PRACTICAL EXERCISES

190₊

EQUIPMENT ITEMS

50_{wks}

FULL-TIME

PRACTICAL CURRICULUM

Sixteen Modules

From water treatment through PET production and the bottling line to quality assurance, law and operations management, concluding with the complete production run as a capstone project.



MODULE

01 – 16 · IN PHASES

01 Raw Water & Analysis
WATER TREATMENT

07 Plant Operation & Maintenance
WATER TREATMENT

13 QA & Lab Analytics
QUALITY & OPERATIONS

02 Process Selection
WATER TREATMENT

08 PET Stretch Blow Molding
BOTTLING & PACKAGING

14 HACCP & ISO 22000
QUALITY & OPERATIONS

03 Pretreatment & Filtration
WATER TREATMENT

09 Compressed Air, Refrigeration & Steam
BOTTLING & PACKAGING

15 Law, Standards & Environment
QUALITY & OPERATIONS

04 Softening & Ion Exchange
WATER TREATMENT

10 Filling & Capping
BOTTLING & PACKAGING

16 Operation & Self-financing
QUALITY & OPERATIONS

05 Reverse Osmosis & Membranes
WATER TREATMENT

11 Label, Code & Packaging
BOTTLING & PACKAGING

06 Disinfection: UV & Ozone
WATER TREATMENT

12 Line, Control & Changeover
BOTTLING & PACKAGING

EQUIPMENT

Trained on the complete line.



01

Water Treatment

Filtration, softening, reverse osmosis as well as UV and ozone disinfection, from raw water to purified water.

02

PET Production

Stretch blow molder, molds, preform heating, compressor and chiller for bottle production.

03

Filling & Packaging Line

Bottle washer, filler, capper, labeling, shrink tunnel and shrink wrapping.

04

Conveying & Control

Belt conveyor, PLC line control, inkjet coding and format changeover.

05

Laboratory & Quality Control

Microbiological, chemical and physical analytics for inline and final inspection.

06

Utilities & Consumables

Compressed air and steam as well as preforms, caps, labels, filter media and RO membranes.

~190 ITEMS · 6 CATEGORIES

BRING THE PROGRAM TO YOUR LOCATION



Available • **Turnkey**

LET'S GET STARTED.



Consulting
Equipment
Delivery
Curriculum
Setup