



Hydro Jetting Machine Training

Course Introduction:

This course is designed to provide participants with an in-depth understanding of the principles, operation, and maintenance of hydro jetting machines used for high-pressure cleaning and pipeline maintenance. As industries increasingly rely on efficient and effective cleaning methods, hydro jetting has become a vital technique for removing blockages, deposits, and contaminants from pipes, tanks, and other surfaces. This five-day course will cover the fundamental concepts of hydro jetting technology, safety protocols, machine operation, and best practices for effective cleaning.

By the end of the course, attendees will be equipped to implement hydro jetting solutions in various applications, ensuring optimal performance and compliance with industry standards.

Course Objectives:

By the end of the program, participants will be able to:

- Understand the principles and applications of hydro jetting technology.
- Operate hydro jetting machines safely and effectively.
- Identify and implement best practices for cleaning various surfaces.
- Conduct routine maintenance and troubleshoot common issues with equipment.
- Discuss regulatory compliance and future trends in hydro jetting.

Who Should Attend?

This course is intended for:

- Operators and technicians involved in pipeline maintenance and cleaning.
- Maintenance personnel responsible for equipment operation and upkeep.
- Safety officers overseeing hydro jetting operations.
- Managers and supervisors in facilities maintenance and service companies.
- Environmental compliance professionals focused on safe cleaning practices.

Course Outline:

Day 1: Introduction to Hydro Jetting Technology

- Overview of hydro jetting: principles and applications
- Understanding the components of hydro jetting machines
- Types of nozzles and their functions in cleaning operations
- Safety considerations and personal protective equipment (PPE)

Day 2: Machine Operation and Setup

- Preparing hydro jetting machines for operation: setup and configuration
- Understanding pressure settings and flow rates
- Techniques for effective nozzle selection based on application

Day 3: Cleaning Techniques and Best Practices

- Identifying common cleaning challenges and solutions
- Techniques for effective hydro jetting in various environments (pipes, tanks, surfaces)
- Best practices for maintaining equipment during cleaning operations
- Case studies on successful hydro jetting applications

Day 4: Maintenance and Troubleshooting

- Routine maintenance procedures for hydro jetting machines
- Identifying common issues and troubleshooting techniques
- Importance of regular inspections and preventive maintenance

Day 5: Regulatory Compliance and Future Trends

- Overview of regulatory standards and compliance in hydro jetting operations
- Environmental considerations and waste management practices
- Emerging trends and technologies in hydro jetting

Course Methodology:

A variety of methodologies will be used during the course that includes:

- (30%) Based on Case Studies
- (30%) Techniques
- (30%) Role Play
- (10%) Concepts
- Pre-test and Post-test
- Variety of Learning Methods
- Lectures
- Case Studies and Self Questionnaires
- Group Work

Course Fees:

To be advice as per course location. This rate includes participant's manual, Hands-Outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Certificate:

International Center for Training & Development (ICTD) will award an internationally recognized certificate(s) for each delegate on completion of training.

Course Timings:

Daily Course Timings:

08:00 - 08:20	Morning Coffee / Tea
08:20 - 10:00	First Session
10:00 - 10:20	Coffee / Tea / Snacks
10:20 - 12:20	Second Session
12:20 - 13:30	Lunch Break & Prayer Break
13:30 - 15:00	Last Session