



## Heat Exchangers Operation & Maintenance & Troubleshooting

### **Duration 5 Days**

### **Introduction**

The objective of this training program of 5 days duration is to impart Training on Operation / Maintenance and Trouble Shooting Heat Exchanger problems related to the petroleum / petrochemical / fertilizer and power generation plants.

### **Who Should Attend**

This training is designed for engineers and operations & maintenance personnel of process plants, refineries and power plants, involved in operation , & maintenance

### **Course Objectives**

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### **Course outline**

- Fluid Mechanics for Heat Transfer.
- Basic Heat Transfer Theory.
- Types of Heat Exchangers:
- International Standards of Heat Exchangers:
- Shell and Tube Heat Exchanger Design.
- Mechanical Design.
- Materials of construction / metallurgy for heat exchangers.
- Preliminary Activity Prior Heat Exchanger Inspection:
- Installation, Dismantle and Assembly Principles:
- Heat Exchanger Inspection and Maintenance:
- Various Cleaning Methods for the Heat Exchangers:
- The Inspection Techniques for Heat Exchangers:
- Extended Surface Heat Transfer.
- Vibration in exchangers
- Troubleshooting of Heat Exchangers: