

Training: Pump Installations TC-501

Design and Operation of Pump Installations for feeding or Circulation of Fluid for

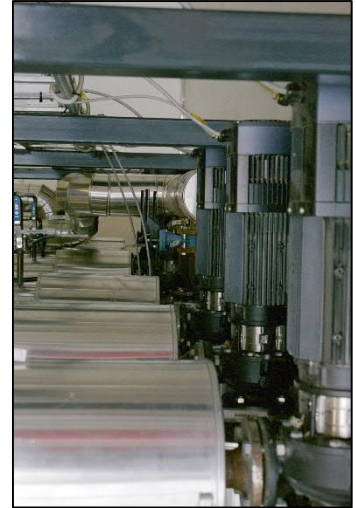
- Water – Cold Water Feeding
- Water – Hot Tap Water Distribution
- Heating Circulation
- Cooling Circulatoin
- Mixing Loop Circulation

The Training Course covers

- Single Configuration
- "1+n" Configuration
- Site-built or Manufactured
- Pressure Loss Calculations
- Pump Sizing and Selection with optimum Operation Point
- VSD Configuration – Built-in Pump or general in MCC. Pros and Cons for both solutions
- Cabling – Especially for External VSD with Shielding
- Control Philosophy – Delta Pressure, Constant Pressure, Variating Pressure etc.
- Equi-Potential Bonding
- Connection – e.g. Special Connectors for Grundfos pumps
- Compensators
- Protection - Interlocks
- CTS or PLC General programming

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Pictures of Pump Installations from various project – Naval, Pharma and an API for feeding and circulation of Water, Cooling, Fuel Oil and Heating.