

Static and Dynamic Sealing

This three-day course is designed for a maintenance target group comprised of the following: first time maintenance personnel, journeyman refresher, electrical or electrical test personnel required to perform mechanical maintenance, supervisors and inspection personnel. The course is roughly 50% “hands-on” laboratory sessions and 50% classroom instruction.

I. Compression Packing

- Mechanical Seals Applications
- Packing Materials
- Selecting and Sizing Packing
- Lantern Rings and Throttle Bushings
- Renewal Techniques
- Formed and Molded Packing

V. Valves

- Valve Types and Use
- Gate, Globe and Ball Valves
- Valve Installation
- Bolting Patterns
- Proper Wrench Use

II. Gaskets

- Transformer Gaskets
- Preparation of Surfaces and Gaskets
- O-Ring, Foam Rubber, and Cork Gaskets
- Leak Detection
- Common Gaskets and Materials
- Gasket Replenishment

III. Bolted Joints

- Proper Torque
- Joint Types
- Flange Connections
- Flange Faces
- Studbolts

IV. Threaded Fasteners

- Threads and Terminology
- Mechanical Properties
- Fastener Materials
- Tightening Methods/Good Practices