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

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

V. Valves
   · Valve Types and Use
   · Gate, Globe and Ball Valves
   · Valve Installation
   · Bolting Patterns
   · Proper Wrench Use