TECHNICAL EDUCATION ACADEMY

Ahmed Elzaablawy

Instructor

A highly qualified Mechanical Reliability and Vibration Analysis Specialist with multiple industry-recognized certifications and extensive hands-on experience in machinery maintenance, inspection, troubleshooting, and failure prevention within the oil and gas industry. Certified as a Level 3 Vibration Analyst by Mobius Institute and the American Vibration Institute, and also holds certification as a Machine Lubrication Analyst Level II (ICML). Experienced in thermography for mechanical fault detection and highly proficient in the use of advanced diagnostic tools, including SKF VA60, CSI 2130/2140, Bentley Nevada 3300/3500, and System 1.

Possesses deep expertise in centrifugal gas compressors, mechanical seals (wet and dry gas), root cause failure analysis (RCFA), equipment installation, and overhaul activities. Skilled in laser shaft alignment using SKF and ROTOALIGN systems, as well as in video scoping technology (Olympus IPLEX) for turbines and compressors. Demonstrates strong knowledge of major industry standards, including API 610, 616, 617, 661, 682, 686, and ISO 10816-1, as well as bearing selection, failure diagnosis, oil analysis, and technical reporting.

Maintains a strong awareness of HSE requirements, including confined space entry, working at heights, defensive driving, and chemical handling. Also holds a PADI Divemaster certification, which may support offshore underwater inspection activities. Committed to ensuring optimal machine performance, preventing failures, and extending equipment life across upstream and downstream oil and gas operations.