

# Condition Monitoring for Engineers

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This 5-day course is designed for condition monitoring analysts, condition monitoring managers, maintenance planners / superintendents and engineering managers that need to gain control of their condition monitoring programs so as to achieve and sustain tangible results from their annual expenditure on these programs.

Whether your company's condition monitoring program is faltering, running along nicely, or reaching a plateau, the course allows delegates to identify and understand the key success factors, and learn how to manage these key areas.

## Key Outcomes:

- Learn the key concepts and diagnostics methods in Vibration Analysis, Oil Analyses, Ultrasound, Infrared Thermography and Electric Motor Testing
- Learn about the techniques and standards in Laser Shaft Alignment and Balancing.
- Learn how your condition monitoring program contributes to your company's Overall Equipment Effectiveness, and its bottom line.
- Learn how to use your program to lead a reliability drive that will change the way your company's management see maintenance.
- Learn how to gauge and estimate the level that your condition monitoring program has achieved compared with world's best companies.
- Learn to distinguish between fault detection, diagnosis and prognosis, and how these impact on your overall credibility.
- Learn the most common types of root causes of failure, and how your program can improve the life of your equipment
- Learn how to estimate life to failure for different types of failure modes and machine components and types.
- Learn how to translate misses and hits into Rands and Cents, and estimate the savings from your Condition Monitoring program (in-house or contract service).
- Learn the most common pitfalls that either stall or setback condition monitoring programs, and steps to avoid these pitfalls.
- How to recruit, train and retain specialized staff.
- Get an idea of where the technology is heading.