MOTOR PROTECTION, CONTROL & MAINTENANCE TECHNOLOGIES

YOU WILL LEARN HOW TO:

• Specify protection requirements for motors
• Maintain electrical motors
• Specify speed control requirements for motors
• Understand essentials of motors and drives
• Detail the main issues with testing of motors
• Prevent or at least minimise motor bearing failure
• Troubleshoot and fix faults on motors and drives
• Interface control circuits of motors with PLCs/DCSs
• Reduce downtime on electrical motors
• Improve plant safety
• Improve plant throughput
• Reduce your spares usage and requirements

WHO SHOULD ATTEND:

Anyone associated with the use of electrical motors in the industrial or automation environment. The workshop will also benefit those working in system design as well as site commissioning, maintenance and troubleshooting. Typical personnel who would benefit are:

• Plant Engineers
• Instrument Technicians
• Engineering and design personnel
• Operations personnel
• Electrical Maintenance Technicians
• Instrument and Control Engineers
• Electrical Contractors
• Electrical consulting engineers
• Process control Engineers
• Mechanical Engineers
• Service Technicians
• Maintenance Personnel
It is estimated that electrical drives and other rotating equipment consume about 50% of the total electrical energy consumed in the world today (and this figure increases to 70% if you only consider industry.) The cost of maintaining electrical motors can be a significant amount in the budget item of manufacturing and mining industries. This course gives you a thorough understanding of electrical motor’s protection, control and maintenance and gives you the tools to maintain and troubleshoot electrical motors. You will gain a fundamental understanding of the protection, control and maintenance of electric motors and drives. Typical applications of electric motors in mining, manufacturing, materials handling, process control are covered in detail. The concluding section of the course gives you the fundamental tools in troubleshooting motors confidently and effectively.

PRE-REQUISITES
A fundamental knowledge of basic electrical concepts would be useful.

ON-SITE TRAINING
— contact us for a proposal today
IDC Technologies unique on-site training delivery service can save your company up to 50%, or more, off the total per-head costs associated with delegates attending a public workshop. One of our qualified and experienced Instructors can discuss the content with you, then come to your venue and present a workshop designed to your own specifications! Why not call or e-mail and ask about having a workshop designed to your own specifications?

"Technology Training that Works" we mean it! Try us soon and see the difference. For more information, or a customized proposal to run any of our practical workshops at your own venue, contact your nearest business development manager for manager (see page 32).