Failures can be extremely expensive and damaging to business. A thorough analysis of a failure using the best practices available is, therefore, paramount to damage limitation, to prevent a re-occurrence or to establish responsibility by identifying a root cause.

When a system or piece of equipment fails, there is almost always valuable forensic evidence that can provide clues to how and why the event occurred. By careful control of the post-failure environment, this information can be extracted and interpreted to identify the root cause and help establish responsibility.

Our course describes various types of failures, ranging from the failure of metallic and electronic components to failures in plastics and gas turbines. A demonstration of scanning electron microscopy offers an informative insight into how this technique is used for failure analysis.

**TOPICS COVERED**

- Understanding failure analysis
- Failure investigation techniques
- Failures of polymeric components
- Electrical power systems failures
- Failures of electronic components
- Gas turbine failures
Training Details

Our one-day, classroom based training course will take place at the RINA training suite in Leatherhead.

DID YOU KNOW?

AccessERA subscribers receive a 10% discount on a range of RINA course prices at the time of booking, when the booking is made directly with the training team. Subscribers can also use their credits to book on certain courses.

RINA is also an authorised global training provider for the American Society of Mechanical Engineers (ASME) and a market leader in the provision of ASME and API inspector training courses for pressure systems and mechanical plant. All ASME and API inspector training courses and publications are now available at: https://www.rina.org/en/technical-training.

To find out more, please email: trainingLH@rina.org or call: +44 (0) 1372 367319

Related Courses

- Introduction to lightning protection
- Power system earthing
- Introduction to HV earthing design
- Hazardous chemicals in hardware products - a practical approach to compliance.

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