

# Educational Services

Maximize Your Investment with Well-Trained Personnel



Meridian East, Leicester

## Education in Machinery Health™ Management

### Regional Basic Vibration Analysis Course

#### Basic Vibration Analysis & ISO CAT-1 Certification

This 4-day course complies with ISO standard 18436-2. This course is intended to enable participants to operate single-channel machinery analyzers, dump and load routes, recognize the difference between good and bad data, and compare vibration measurements against pre-established alert settings. The class shows the student how to use the vibration analyzer in conjunction with machinery health software to analyze basic vibration defects.

#### Topics Include:

- Principles of vibration
- Data acquisition & signal processing
- Condition monitoring & corrective action
- Equipment knowledge
- Acceptance testing
- Basic analyzer functions
- The class shows students how to recognize machine defects such as:
  - Unbalance
  - Shaft misalignment
  - Looseness
  - Rolling element bearing defects
  - Gear problems
  - Resonance
  - Introduction to electrical defects

#### Prerequisites:

Cumulative six months of field experience is recommended.

**Date:** January 16 to 20, 2017 (8:30 AM - 4:30 PM Mon to Thurs, Category I Exam at 8:30 AM - 10:30 AM on Friday)

**Location:** Emerson Process Management, Educational Services Center  
Meridian East, Leicester, LE19 1UX, UK

**Cost:** £2,195 per person

**Registration:** [ES3.Cluj@Emerson.com](mailto:ES3.Cluj@Emerson.com)



Emerson Educational Services  
800 338 8158 or 641 754 3771  
[Education@Emerson.com](mailto:Education@Emerson.com)  
[www.emersonprocess.com/education](http://www.emersonprocess.com/education)

