

Dr. Martin Killeen – Loughborough College

Short Courses - Motor Design; HV Testing; AC Motor Theory & Fault Finding; DC Motor Repair

#aemt2015



AEMT CONFERENCE 2015

Short Courses

Dr Martin Killeen

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Present Modules

- Ex family
- Module 1 Theory of Ex repair and Overhaul
- Module 2 Hands on Ex repair and overhaul
- Module 3 Refresher of Ex repair and Overhaul
- Module 4 Bespoke Ex course
- Module 5 Maintenance, removal Inspection and installation in Hazardous areas.

Potential Short course delivery

- High Voltage Testing
- Induction Motors: Theory, Fault finding and Repair.
- Induction Motor Redesign.

Potential Short course delivery

- DC Motors Theory Fault Finding and Repair.
- Synchronous Machines: Theory Fault Finding and Repair.
- Permanent Magnet Machines: Theory Fault Finding and Repair.

Potential Short course delivery

- Poly phase motor Winding
- Rewinding principles and techniques
- Vibration and noise measurement

Development Issues

- Suitable location with the relevant equipment
- Assessment methodology
- Sourcing specialists to deliver

Development Issues

- Creating course material to a high quality
- Market Research and evaluation
- Maintaining copy right
- Pricing structure

Get into discussion groups to identify
a starting list of potential courses

List of courses?

Ideal duration?

Creation of a steering group?

Remember we need viability and sustainability

Plenary Session

- Feedback
- Next step