PARTIAL DISCHARGE SEMINAR

DRALLIM

Prescot - Merseyside
Tues 2nd - Thurs 4th March 2010

Fax to: +44 (0)1424 202140

AGENDA

Tues 2nd 8:00am *Start*
INTRODUCTION

Motor & Generator Stator Windings

- *Stator Winding Design*
- *Coil Manufacturing Process*
- *Failure Mechanisms*

Wed 3rd 8:00am *Start*
What is PD?

- *PD as a Symptom*
- *Partial Discharge or Corona*
- *Void Formation*
- *Electrical Discharges*

PD Detection

- *On-line and Off-lineTesting*
- *PD Sensors*
- *Noise Cancellation*

Thurs 4th 8:00am *Start*
Drallim Support Services

- *Custom Installation*
- *Case Studies*

Interpreting Test Results

- *Data Presentation*
- *Trend Analysis*
- *Polarity Predominance*
- *Load Effect*
- *Temperature Effect*
- *Humidity Effect*
- *Non-classic PD pulses*
- *Multiple Failure Mechanisms*
- *PD Characteristics of Failure Mechanisms*

Course Objectives

- to understand the basics of stator winding insulation systems and why they deteriorate
- to understand basic PD theory
- to understand how PD detection devices work
- to interpret the test data collected and relate the data to specific failure mechanisms, to enable you to plan maintenance

Who Should Attend

The course is designed for engineering and maintenance personnel who either purchase, install, test, maintain and /or repair motors and/or generators.
It would be of great benefit to IRIS users to refresh and/or gain knowledge on PD and PD results interpretation. Consultants, manufacturers and repair shop personnel would also benefit from this course.

Course Fee - £900

Course fee includes a daily buffet lunch and morning & afternoon refreshment breaks. (Accommodation not included, see reverse)

Instructor

Dr. Greg Stone; Dielectrics Engineer

Greg has over 30 years of experience in the application and testing of large motor and generator windings. Prior to joining Iris in 1990, he worked at Ontario Hydro for 15 years, where he specialised In testing the machine windings of the company's 200 generators, and hundreds of motors in nuclear, fossil and hydro-generating plants. He has authored or co-authored approximately 100 technical papers on motor and generator windings and testing, contributed to the writing of the "Handbook to Assess the Insulation Condition of Large Rotating Machines," an EPRI publication. Greg's most recent work is a book entitled, "Electrical Insulation for Rotating Machines-Design, Evaluation, Aging, Testing and Repair," which was co-written with Ian Culbert, Al Boulter (formerly of GE) and Hussein Dhirani (formerly of Ontario Power Generation). He is active on many IEEE and IEC working groups developing standards and guides, and is a Fellow of the IEEE.

Drallim Industries Ltd. Is the UK Distributor for IRIS Power

Course places are limited, so please book early to avoid disappointment.

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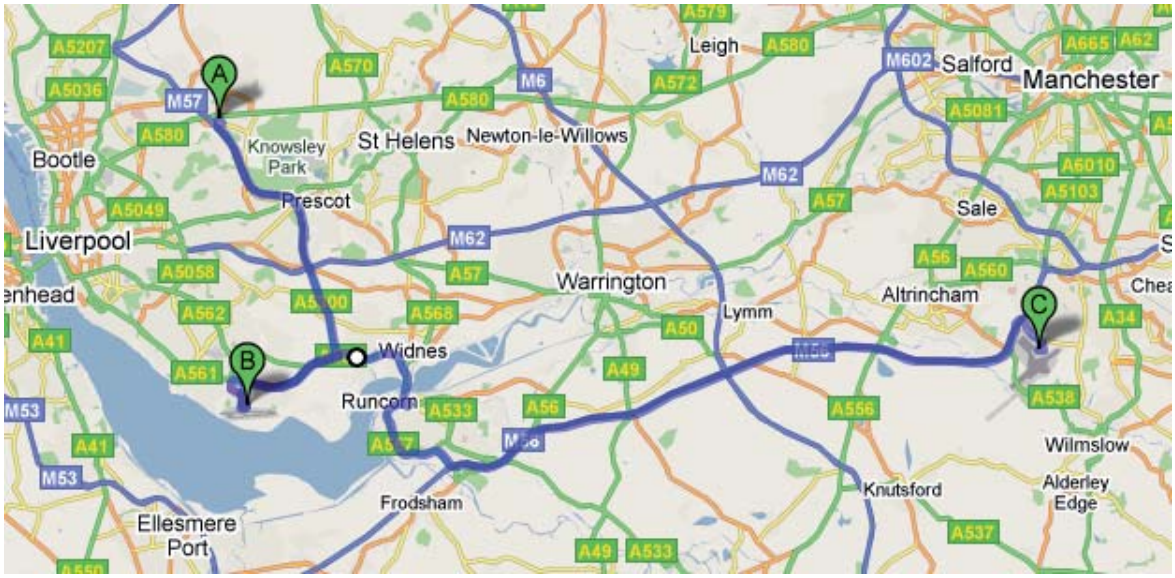
Location / Accomodation

Suites Hotel Knowsley, Ribblers Lane,
Knowsley, Prescot, L34 9HA
Tel: +44 (0) 151 549 2222
Fax: +44 (0) 151 549 1116

For accomodation at a negotiated rate of £85,
please contact the hotel directly, Quoting this event.

One of the conference rooms at the Suites Hotel Knowsley

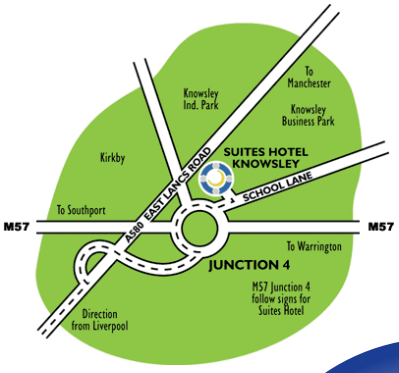


Key to Map

A - Suites Hotel Knowsley
L34 9HA

B - Liverpool John Lennon Airport
L24 1YD

C - Manchester Airport
M90 1QX



Name:_____ Please print clearly

Company:_____

Address:_____

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Town/City:_____

Tel:_____Fax:_____

Email:_____

Signature:_____

For additional Info please contact
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Please fax back to: +44 (0)1424 202140 or call us on +44 (0)1424 205140 to book

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