

LEVEL 1: PARTIAL DISCHARGE ASSESSMENT & SURVEY TECHNIQUES TRAINING COURSE TIMETABLE

TIME DAY	8.30 a.m.	9.00 a.m.	10:30 a.m.	11.00 a.m.	12:30 p.m.	1.30 p.m.	3:15 p.m.	3.45 p.m.	5.00 p.m.
<i>DAY 1 (Monday)</i>	<i>Registration</i>	<u>1. Course Overview & Introductions</u> 1.1 Aims & Objectives 1.2 Introduction to PD <u>2. Basic Theory</u> 2.1 Cause of PD 2.2 Categories of PD 2.3 Preventing PD	<i>TEA BREAK</i>	<u>3. PD Detection Methods</u> 3.1 General 3.2 Physical signs of PD 3.3 Basic Wave Theory & TEV 3.4 Ultrasonic Wave & Detection	<i>LUNCH</i>	3.5 Open Air Substations 3.6 Partial Discharge Detection in Cables	<i>TEA BREAK</i>	3.7 Partial Discharge Detection in Transformers	
<i>DAY 2 (Tuesday)</i>		<u>4. PD Instruments</u> <u>5. Substation Environments</u> <u>6. Asset Assessment</u> 6.1 Background Interference	<i>TEA BREAK</i>	6.2 Test Type 6.3 Testing Requirements 6.4 Test Period 6.5 Operator Competencies	<i>LUNCH</i>	<u>7. Recap</u> 7.1 Aims & Objective <u>8. Case Histories</u> 8.1 EA Technology Examples	<i>TEA BREAK</i>	<u>9. General Competency – Entering Medium Voltage Substations</u> <u>10. Asset Assessment</u> 10.1 Pre Survey Preparation	
<i>DAY 3 (Wednesday)</i>		10.2 Ultrasonic Survey 10.3 TEV Survey 10.4 Results & Data	<i>TEA BREAK</i>	10.5 Review Practical Session 10.6 Interpretation of Results <u>11. Asset Management</u> 11.1 Using the Data 11.2 Risk Management	<i>LUNCH</i>	<u>12. Practical Demo</u>	<i>TEA BREAK</i>	<u>13. Practical – Hand On</u>	
<i>DAY 4 (Thursday)</i>		<u>14. Theory Exam – 2 Hours</u> 15. Practical Exam (Group 1)	<i>TEA BREAK</i>	Practical Exam (Group 2)	<i>LUNCH</i>	Practical Exam (Group 3)	<i>TEA BREAK</i>	Practical Exam (Group 4)	