ON-LOAD TAP CHANGER AND VOLTAGE REGULATION

Course Objectives

This course provides participants the opportunity to experience working on an On-Load Tap Changer (OLTC) training model. Upon completion, participants will be able to understand:

- Importance of Voltage Regulation
- Parallel operation of On-Load Tap Changing Transformer
- Functions of the Tap Selector and Diverter Switch
- Set-up of OLTC, Motor Drive and Drive Shaft

Course Contents

- Theory and functions of Transformer
- Parallel operation of On-Load Tap Changing Transformer
- Automatic Voltage Regulator
- Different ratings of OLTC
- Set-up of OLTC, Motor Drive and Drive Shaft
- OLTC protective devices

Practical training

- Removal and assembly of Drive Shaft and Diverter Switch
- Routine inspection of Diverter Switch

Pending PDUs from Professional Engineers Board

Who Should Attend

Managers and engineers in the Transmission, Distribution and Generation fields

Course Date

23-24 Feb 2017
Register by 13 Jan 2017
Lunch and tea breaks will be provided.

Methodology

Classroom and practical training on an OLTC training model

Course Fee

$2,200 (Full Fee)
$1,100 (For Singaporeans/PRs only)

Location

Singapore Institute of Power and Gas
1A Woodleigh Park
Singapore Power Training Institute

Supported by
Max Phillip has almost 30 years of experience as a technical expert in the fields of Transformers and Substations. As a Consultant and Trainer, his expertise includes high voltage regulation, commissioning of on-load tap changer, selection criteria for power transformers, technical understanding and evaluation of products, as well as fault prevention and damage investigation.

Beyond technical expertise, Max is also well-versed in international operations, strategic management and marketing. He has a credible record in directing business strategy, managing start-up situations and negotiating business agreements. Having managed teams in the asset management of substations and power transformers, Max is always ready to share his wealth of experience.

In his previous engagements, Max has worked for Maschinenfabrik Reinhausen (MR) GmbH of Germany. Throughout his career, he has founded and ran two subsidiaries - one in Australia and the other one as Managing Director to set up Reinhausen Asia Pacific in Kuala Lumpur. He has also partnered with a transformer expert from Budin Philipp Partners in Australia and New Zealand.

Currently, Max runs his own management consulting firm, MP Consult Sdn Bhd, and is based in Kuala Lumpur. He is also a member of the Malaysian National Committee of CIGRE, the council on Large Electric Systems, and the Convener of the Transformer Working Group A2.

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**REGISTRATION FORM: ON-LOAD TAP CHANGER & VOLTAGE REGULATION (23-24 FEB 2017)**

Name in NRIC: ________________________________  NRIC Number/FIN: ________________________________

FIN Expiry Date: ___________________________  Nationality: ___________________________  Date of Birth: ___________________________

Company Name: ________________________________  Designation: ________________________________

Company Address: ________________________________

Contact Number: ___________________________  Email: ___________________________

Highest Qualification: ________________________________  PE Number (if applicable): ________________________________

Name of Contact Person: ________________________________  Designation: ________________________________

Contact Number: ___________________________  Email: ___________________________

Food preference: ☐ Vegetarian  ☐ Indian Vegetarian  ☐ Halal

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**TERMS AND CONDITIONS**

1. Singapore Institute of Power and Gas Pte Ltd (SIPG) is committed on maintaining the confidentiality of the personal information and undertakes not to reveal applicant’s information to any third party (other than the funding-related agencies) without prior consent of the applicant.

2. The registration form should be submitted to SIPG by 14 January 2017. All registration will only be confirmed when payment is received. SIPG reserves the right to withdraw or reschedule the class without prior notice.

3. Trainee shall be bound by the Terms and Conditions of any applicable funding scheme as approved by SIPG. In the event that the trainee fails to meet any of the requirements set under the funding scheme or as stated below, and thereby resulting that his/her application for funding claim is rejected, the trainee is liable to pay the balance of the course fee to SIPG.

   i) Trainee achieves less than the minimum attendance required by the course.

   ii) Trainee fails to sit for the required assessment where applicable.

4. **PAYMENT TERMS**

   All prices quoted are in SGD and are subjected to prevailing GST.

   Payment is required to be made to SIPG at least two weeks before the stated course date.

5. **CANCELLATION POLICY**

   - >5 working days before course starts: 100% refund
   - 3 - 5 working days before course starts: 50% refund of fee paid
   - <3 working days before course starts: No refund

6. **TRANSFER/REPLACEMENT POLICY**

   All requests for transfer/replacement must reach SIPG at least 5 working days before course starts and are subjected to approval.

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7. **PERSONAL DATA PROTECTION ACT**

Call and send me emails at my stated details above about future courses: Yes / No

I, ___________________________________, hereby declare that the information herein is true and accurate to the best of my knowledge. If you are submitting this form on behalf of another, you have obtained the consent of the person(s) named in this form, for SIPG and its employees, agents and representatives, to collect, use and disclose all information as contained in the form for all purposes relevant in the context of this form and as notified to you by your SIPG contact, as well as to comply with all laws and other legal requirements relevant to SIPG from time to time.

________________________________________  ___________________________________________  ___________________________

Name  Signature  Date