Dear Sir/Mdm

HDB Upcoming Events

We are pleased to share with you some of the upcoming events happening at HDB Centre of Building Research in August 2017.

1. **Prepare and Submit Winning Tenders for Public & Private Construction Contracts whilst Avoiding Potential Pitfalls, 15 Aug 2017, Tuesday**

This 1-day seminar aims to give an insight into how a contractor can be best positioned to achieve the following:

- Key considerations in tender selection
- How to evaluate and mitigate risk
- How to prepare a comprehensive and winning submission including quality proposals for major infrastructure tenders
- Discussions on case studies and how to avoid major pitfalls

**Date**: 15 Aug 2017 (Tuesday)
**Time**: 9.00 am – 5.00 pm (Registration starts at 8.30 am)
**Fee**: S$ 550 / S$ 330 nett (after 40% PIC grant)
**CPD Points**: 7 PDUs
**Venue**: HDB Centre of Building Research, 10 Woodlands Ave 8, S’pore 738973

**How to Register**: Email to michelle@lauressolutions.com by 11 Aug 2017, Friday or contact her at (Mobile: 9138 8967).

For more information, pls refer to the updated flyer.


This 2-day workshop will focus on enabling participants to:

- Electrical installation and the laws
- Design concept of electrical installations
- Earthing system and fault protection
- Shock protection, installation inspection and testing
- Worked examples and case studies

**Date**: 17 – 18 Aug 2017 (Thu to Fri)
**Time**: 9.00 am – 5.00 pm (Registration starts at 8.30 am)
**Fee**: S$ 750
**CPD Points**: pending PDUs
**Venue**: HDB Centre of Building Research, 10 Woodlands Ave 8, S’pore 738973

**How to Register**: Email to michelle@lauressolutions.com by 14 Aug 2017, Monday or contact her at (Mobile: 9138 8967).

For more information, pls refer to the updated flyer.
Prepare and Submit Winning Tenders for Public & Private Construction Contracts whilst Avoiding Potential Pitfalls

*40% PIC Grant available

Introduction
Winning profitable work is the cornerstone of any construction business. Winning is not just a question of submitting the most competitive price, rather it requires the combination of selecting the right tender, designing the right means and methods, choosing the right team, balancing the risks and opportunities inherent in the project, and finally preparing and submitting a document that will persuade the client that you can give the best value. This one day course is designed to give an insight into how a contractor can be best positioned to achieve this.

Objectives
This objective of this course is to demonstrate what the key considerations in selecting a tender are, how to evaluate and mitigate risk, and how to prepare a comprehensive and winning submission including quality proposals for major infrastructure tenders. Participants will gain perspective from discussions on case studies, which will enable them to tender with confidence and avoid the major pitfalls that can arise when badly constructed tenders are submitted.

Course Outline
Selecting most viable opportunity to tender
Tendering is a very time consuming process and can tie up a contractors most experienced and valuable staff. In order to get the best return out of the process it is critical that a thorough tender selection procedure is developed which gives reasonable chances of success. This section lays out the various considerations that should be considered when choosing which projects to tender.

Key factors to be considered in the tender process.
This will involve an in depth look at the tasks to be undertaken when preparing a major tender, including building the tender team, preparing a tender programme, discussion on alternatives and the benefits or otherwise of joint ventures.

Preparing the Tender
This topic will include building the tender price, the critical issue of risk management and identification of risk and opportunities, developing the project programme and use of qualifications.

Writing the Tender Submission.
This section will concentrate on the submission, how to make the most of the price quality scoring points, and writing the Executive Summary. It will include pointers on presentation and negotiation.

Case Studies
Liberal use of case studies throughout the course will serve to underline the importance of a thorough tender process and elaborate on the pitfalls that can occur with a badly conceived tender or the benefits that could arise if there are opportunities to so. Participants will be encouraged to take part in joint exercises and to share their knowledge and experience.
Prepare and Submit Winning Tenders for Public & Private Construction Contracts whilst Avoiding Potential Pitfalls

*40% PIC Grant available

PROFILE OF TRAINER

Jon Skipworth Button is a Director of Scott Vickers Private Ltd, who was previously Director rising to Executive Director at Gammon Pte Ltd, leading their Singapore office since 2001 to July 2012. He has had a wide range of experience over the last 43 years in senior management positions for internationally recognized main contractors in both building and civil engineering. He has been resident in HK and Singapore for the last 35 years, including 27 in Singapore, prior to which he worked in the Middle East and the UK.

As an Executive Director in Gammon, he was responsible for all aspects of development and running of the business in Singapore, including business development and thus tender selection and submission. Landmark projects that he has been involved in include the Headquarters of the Hong Kong and Shanghai Bank and the Bank of China in HK, the Bukit Panjang LRT, One Raffles Link, Chinatown MRT stations, Woodville interchange, One Raffles Quay and ITE New College West, in addition to several other commercial and industrial design and build projects in Singapore.

Since retiring from Gammon, he has held various consultancy positions for both contractors and Government agencies assisting on tendering and productivity issues.

Jon has been a Council Member of the Singapore Contractors Association where he was Chairman of the Productivity & Technology Committee. He has advised on the BCA Construction Productivity Centre Advisory Panel, and is also a member of the Singapore Institute of Directors and a Senior Member of the Institution of Engineers in Singapore. He currently sits on the Singapore Contractors Association Environmental and Sustainability committee and is currently on the BCA Construction Excellence Awards panel.

He graduated in Civil Engineering with Honours from Imperial College, London in 1974 and is a Fellow of the Institution of Civil Engineers (May 2002).

TRAINING GRANT

40% SUBSIDY AVAILABLE
*Claims via Productivity & Innovation Credit Bonus. Subjected to PIC and PIC Bonus eligibility criteria.

Complete the PIC form here: https://mysax.iras.gov.sg/ESVWeb/default.aspx

AWARD
Certificate of Attendance (COA) will be awarded to all participants

CPD POINTS
PEB: 7 PDU points
Course materials, Buffet lunch and two refreshments will be provide
3 EASY WAYS TO REGISTER

Call: +65 9138 8967
Email: michelle@lauresolutions.com
Mail us at 19 Sin Ming Walk #07-09 Singapore 573914

SEMINAR DETAILS

Seminar: Prepare and Submit Winning Tenders For Public & Private Construction Contracts whilst Avoiding Potential Pitfalls
Date: 15th August 2017
Time: 9:00am to 5:00pm
Venue: HDB Centre of Building Research No. 10 Woodlands Avenue 8 Singapore 738973

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VENUE INFORMATION
HDB Centre for Building Research
10 Woodlands Ave 8
Singapore

CANCELLATIONS / SUBSTITUTION
Should you be unable to attend, a substitute delegate is welcome at no extra charge. Cancellations must be received in writing at least 14 business days before the start of the event. The company regrets that no refund will be made available for cancellation notifications received less than 14 business days before the event.

IMPORANT NOTE
Please quote the name of the delegate, event title and invoice number on the advice when remitting payment. Bank charges are to be deducted from participating organisations own accounts. Please email your payment details (copy of remittance advice, cheque or draft to admin@lauresolutions.com).

Participants wishing to register at the door are responsible to ensure all details are as published.

Laures Solutions Pte Ltd, reserves the right to cancel or postpone the course/seminar due to unforeseen circumstances and also the right to reject any registration. A full refund of course/seminar fee will be made to you.

AUTHORISATION / CONTACT PERSON

Name: ____________________________
Designation: _______________________
Email: ____________________________
Tel: _______________________________

BILLING

Company Name: ___________________
Address: _________________________
Tel: ______________________________

PAYMENTS METHODS
A confirmation note will be sent upon receipt of your registration. Please note that full payment must be made upon receipt of the invoice and prior to the event.

All cheques to be made payable to: Laures Solutions Pte Ltd
19 Sin Ming Walk #07-09, Singapore 573914

Laures Solutions
Empowering Your Business Through Knowledge
CP5 Low Voltage Electrical Installation Principles and Practices

Introduction
It is paramount important that an electrical installation shall be designed to meet the regulatory, COP and operation requirements to ensure it is safe, cost-effective and reliable throughout its lifetime. This short course is structured to introduce participants to the principles and practices of electrical installations under CP5: 1988 in customer premises. The course is conducted through lectures and case studies to enable the participants to progress through the basic electrical installation design procedures, inspection and testing processes. Practical hands-on sessions are carried out in class to enhance the learning experience.

Objectives
The short course will enable the participants to gain detailed appreciation of the relevant regulatory requirements, roles and responsibilities of LEW and licensee of an electrical installation as well as liabilities for non-compliance. The participants will be guided through various types of requirements under the relevant codes of practice, for instance, protection against electric shock, over current, faults and under voltage as well as testing, etc. under CP5. Demonstration on verification of final circuit design with respect to correct wire sizing and MCB rating selection, etc. will be carried out to enable the participants to acquire the skill to ensure that the design meets the operating requirements.

Outlines

Electrical installation and the laws (1/2 day)
- Highlights of Electricity Act, Regulations on electrical installation and CP5: 1998
- WSH regulatory framework on electrical installation
- Roles and responsibilities of LEW and electrical installation licensee
- Liabilities of parties for non-compliance with regulatory requirements and case study

Design Concept of Electrical Installations (1/2 day)
- Scope and objects of CP5
- Assessment of general characteristics
- Isolation and isolation devices
- Protective devices and conductor sizing
- Characteristics of MCB, RCD, MCCB and their breaking capacities
- Cable installation methods and current rating
- Cable rating correcting factors
- Over load protection
- Voltage drop tolerance and voltage drop calculation
- Typical step-by-step design procedures
- Temperature correcting factor for resistance
CP5 for Low Voltage Electrical Installation Principles and Practices

Earthing System, and Fault Protection (1/2 day)
- Types of earthing system in low voltage system
- Separated extra low voltage system
- Protection against fault and earth leakage
- Sizing of various protective conductors
- Earth-fault protection and Circuit Protective Conductor sizing
- Touch voltage control
- Various earth leakage protection devices e.g. RCD, ELR’s working principles
- Thermal magnetic tripping, shunt trip and direct acting tripping

Shock protection, installation inspection and testing, worked examples and case studies (1/2 day)
- Protection against direct and indirect contact
- Location specific installations
- PV system
- Conduit and trunking capacities
- Inspection and testing
- Step-by-step design procedures, demonstration, and final verification.

Course Directors

Er. Nicholas Lee Poh Choo
PEng, BEng (Electrical) Consultant, Carlo Solutions
Er. Lee has more than 40 years’ experience in the public utility sector, holding several senior positions when he worked in SP Power Grid. He was involved in the predictive and conditioned based maintenance to improve network reliability and power quality in the power distribution network. Er. Lee is experienced in the operation of power generators as well as planning, development and management of electrical transmission and distribution networks. He had carried out consultancy works for utility companies in India, China, South Africa and the Middle East. Currently, he is an advisor to a distribution company in the region. Er. Lee obtained his degree in Electrical Engineering from University of Singapore in 1972.

Mr. HC Lim
Mr. HC Lim BEng, MSc (IE), LLB (Hons), BSc (Economics) Hons, P.Eng, C.Eng is Principal Consultant of Pinnacle Engineering and Management Consultancy. He also holds specialist diplomas and advanced diploma in Funds Management and administration, E-Commerce Technologies and Multimedia Development from the local polytechnics, a certified diploma in Accounting and Finance from ACCA and a Graduate Certificate in International Arbitration from the Faculty of Law, NUS. Mr Lim was Director (Contracts) of the Network Development Division, SP Power Grid before venturing into training and management consultancy services. He has had more than 30 years experience in the transmission and distribution network development, operations and maintenance, street lighting operations, management of Safety and Security units and support services for the company’s operations. He is a SVP accredited adjudicator, a fellow of the Singapore Institute of Arbitrators, an accredited mediator of SISV Panel of Mediators and a certified WSQ ACTA trainer and assessor.
3 EASY WAYS TO REGISTER

Call: +65 9138 8967
Email: michelle@lauressolutions.com
Mail us at 19 Sin Ming Walk #07-09 Singapore 573914

SEMINAR DETAILS

Seminar: CP5 for Low Voltage Electrical Installation Principals and practices
Date: 17th – 18th August 2017
Time: 9:00am to 5:00pm
Venue: HDB Centre of Building Research No. 10
Woodlands Avenue 8 Singapore 738973

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