



BUILDING SERVICES & MANAGEMENT

An update on current industry best practice in Building Services & Management

www.zohlgroup.com

COURSE CODE: T-ENGR-08 **LEVEL:** Basic to Intermediate

LANGUAGE: Bahasa & English

OVERVIEW

This two-day course covers building services found in commercial buildings. The course looks at heating and cooling systems, how to use them efficiently and how they fit within a building.

Electrical and renewable systems are also covered allowing the delegate to understand how they can have a considerable impact on the buildings energy use.

A section on Maintenance and Legislation is incorporated to highlight the importance of regular maintenance and keeping up to date with current building legislation.

OBJECTIVES & LEARNING OUTCOMES

Main learning outcomes of this course:

- How construction affects building services
- Understanding energy consumption within buildings
- Appreciation of electrical plant and equipment used in final distribution and circuits
- Understanding of heating and cooling systems in buildings
- Why heat recovery is important in efficient buildings
- Knowledge of complex HVAC systems
- Understand why regular maintenance is important for trouble free operation
- Importance of legislation and record keeping

COURSE DURATION

2 days (9am—5pm)

Tea Breaks: 10:30am & 3:30pm | Lunch: 1:00pm-2:00pm

Note: Please contact our office for Training Date or visit our website for details (www.zohlgroup.com)

METHODOLOGY

This program will be conducted with:

- Interactive Lecturers | PowerPoint presentation
- Discussions | Practical Exercise
- Role Play | Case Study

TARGET AUDIENCE

The course is designed for those wanting to achieve a level awareness of how building services and electrical systems operate within commercial buildings eg:

- Facilities and Building Managers
- Building Service contractors
- Project Managers
- Mechanical & HVAC Engineers
- Architects
- Energy Assessors
- Air Conditioning Inspectors

LOCATION

Mindset Discovery Center™@ZOHL, M2-6-08, Level 6, 8trium Tower 2, Bandar Sri Damansara, Kuala Lumpur (other Regions please contact our office)

KEY AREA

- Energy consumption and electrical services
- Electrical generation and renewables
- Ventilation and heat recovery
- Building heating
- Hot water and controls
- Simple and complex cooling systems
- Equipment Maintenance
- Legislation and statutory requirements
- Drainage and water services
- Building Regulations

COURSE CONTENT

MODULE 1: Heating and Cooling

- Closed circuit water systems – Heating & Cooling
- Packaged Air Conditioning Systems.
- Centralised Air Conditioning Systems, including AHUs.
- HVAC Controls encountered on Commercial Buildings.

MODULE 2: Heating, Cooling & Electrical Services

- Domestic Hot Water systems.
- Ventilation and Heat Recovery,
- Combined Heat and Power Systems (CHPs)
- Lighting,
- LV Electrical Services – Switch Boards, Distribution Boards & Final Circuit

MODULE 3: Maintenance

- Maintenance
- PPM Scheduling
- Maintenance issues and how they affect system efficacy.
- Life Cycle of an Asset

MODULE 4: Legislation and Statutory Requirements

- Energy Performance of Building Directive (EPBD)
- Legionella Bacteria Control
- F-gas Legislation
- Regulatory Reform Fire Safety – Fire Risk assessments
- LOLER – Thorough Examination & Inspections
- Fixed Installation and Portable Appliance testing
- Drainage and water services
- Building Regulations
- Record Keeping

Note: Course Content subject to further review



Customized In-House Training Program is available in the following areas:

Administrative Skills | Career Development | Human Resources | Personal Development | Sales & Marketing | Leadership & Management | Workplace Essentials | Entrepreneurship | Soft Skills | Engineering | Telecoms | IT

CALL US FOR DETAILS or VISIT OUR WEBSITE AT WWW.ZOHLGROUP.COM



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COURSE FEE

KUALA LUMPUR

With Green Card: RM500.00 per person

Without Green Card: RM600.00 per person

SEMENANJUNG (other than KL)

With Green Card: RM600.00 per person

Without Green Card: RM700.00 per person

SABAH & SARAWAK

With Green Card: RM700.00 per person

Without Green Card: RM800.00 per person

(Fee inclusive of Course Material, Attendance Certificate, and Meals)

CERTIFICATE

Participants will be issued a Certificate of Attendance/ Accomplishment upon successful completion of this training program. Full attendance is a pre-requisite.

CIDB CCD Points

20 (for CIDB-Registered Companies)

REGISTRATION METHOD

1. **Online:** http://zohlgroup.com/cidb_registration/ **OR**
2. Download this brochure at: <http://zohlgroup.com/all-brochures/> and fill up the required information. Then please fax to: 03.6279.0663
3. Or contact our office at: 03.6279 9276 / 013.398.1038

FACILITATOR

Sathy Vel Naidu - Sathy has more than 25 years of experience in the Mechanical and Electrical (M&E) industry. Over the span of his career he has gained significant knowledge in project management, electrical systems troubleshooting & maintenance, and systems design & engineering. In addition to managing projects he has also started sharing his knowledge through training services under ZOHL Technical Programs.



Education:

- ◇ Electrical Chargeman License
- ◇ Certificate in Westinghouse Electrical Systems
- ◇ Power Systems Auditor for Procter & Gamble
- ◇ Radiation Safety Training for Honeywell TDC 3000

Experience:

- ◇ Electrical Technician for Hitachi Electronics Devices Singapore
- ◇ Testing & commissioning supervisor for Toyo Engineering
- ◇ Asst Engineer for FPG Oleochemicals Sdn Bhd
- ◇ Maintenance Manager FPG Oleochemicals sdn Bhd
- ◇ Engineering Director at Pakat Perkasa Sdn Bhd
- ◇ Lightning & Earthing Protection Systems Trainer for Celcom
- ◇ Electrical Trainer for Leighton Offshore
- ◇ Technical Trainer @ZOHL

*Note: Trainer availability is subject to change

REGISTRATION FORM

Participant : _____

Position : _____

IC No: _____

Note: please duplicate this page for multiple participants' registrations

Green Card No: _____ (only if it is applicable)

CIDB Grade G : _____ (only if it is applicable)

Training Date: _____

Organization: _____

Address: _____

Contact Person: _____

Position: _____

Tel: _____

Fax: _____

Email: _____

Company Website: _____

PAYMENT

CASH: RM _____ **OR**

CHEQUE No: _____

Please fax your bank-in slip to 03.6279.0663 or scan your bank-in slip and email to plbk@zohlgroup.com

*Please make your cheque payable to:

ZOHL Consultancy Sdn Bhd



Account No:
514392303373

Signature & Company Stamp

Note:

- Date & venue of seminar subject to changes
- Payment must be made 7 days before the training date
- Registration cancelled 7 days prior to the event is subject to RM100 service charge per participant
- No refunds for notice received less than 7 days prior to the event. A substitution may be made at any time at no extra charge.
- Program content may change subject to revision by our consultants from time to time.
- Full fee is required with your registration. 5% Group discount is available - min 3 pax.

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Sebarang pertanyaan sila hubungi Cik Niesa

ZOHL Consultancy Sdn Bhd (332967-D)(GST ID:000327831552)

M2-15-02, Level 15, 8trium Tower 2, Jalan Cempaka SD 12/5

Bandar Sri Damansara, 52200 Kuala Lumpur

T: 03.6279.9276 F: 03.6279.0663 HP: 013.398.1038 E: plbk@zohlgroup.com