



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

**100% HRDF Claimable  
(SBL Khas) &  
8 CDP by  
Suruhanjaya Tenaga**



**4 STARS RATING**  
by HRDF

## ENERGY CONSERVATION FOR AIR CONDITIONING SYSTEM



This training is designed to provide the necessary training needed to improve energy efficiency of air-conditioning systems through enhanced operations. This training will discuss the fundamentals of the operation of various types of air-conditioning systems including the thermodynamic properties of moist air, coil load calculation and the determination of the performance indicators of air-conditioning systems. Various energy conservation measures will be discussed including strategies that will offer great energy savings. It also emphasizes on interactive, practical and experiential learning. Individual assessment will be held at the end of training.

### Learning Outcomes

At the end of the training, participants are expected to be able to:

- Describe various types of air-conditioning systems used in commercial buildings and industries;
- Explain the working operations of the basic refrigeration cycle;
- Analyse air properties using the psychrometric chart and how they relate to thermal comfort;
- Determine performance indicators for air-conditioning systems;
- Identify energy conservation measures and savings.

### Who should attend?

Building operators, maintenance personnel, energy managers and executives working in commercial buildings and industries.

### Course Outline

- Introduction and Fundamentals of Air-Conditioning Systems.
- Energy Efficiency of Air-Conditioning Systems.
- Guidelines for Energy Conservation.
- Air-Conditioning Energy Audit.
- Software Demonstration.
- Practical Sessions.
- Site Visit to VRF/VRV Air Conditioning System.

**DATE :**

**2 Days**

**VENUE :**

**UTM JOHOR**

**Individual : RM2,544\*/pax**

**\*Inclusive 6% SST**

**\*Full payment must be made before the training date**

**\* Closing Date : 2 weeks before the training date**

**\*Full attendance of programme shall entitle participants to CDP points from Energy Commission (Suruhanjaya Tenaga)**

# Registration Form (ECAC)

To confirm your registration, kindly complete this form and email to us at [training@greentechmalaysia.my](mailto:training@greentechmalaysia.my)  
For course enquiry, please contact us at: 03-8921 0800 or visit [www.greentechmalaysia.my](http://www.greentechmalaysia.my)

Training date : \_\_ / \_\_ / \_\_  
Venue : - - - - -

Reg. No.	MGTC/DC/REC/TRNG-016
Revision	0
Date	3/3/2020

Type of Payment (please tick):

- Cash  
 Cheque (no ... ..)  
 Local Order (Government Only)  
 HRDF-SBL Khas (Invoice is not required)  
 Tax invoice

• Organisation Details :

Contact Person : .....  
Designation : .....  
Tel : ..... Fax : ..... Email : .....

Company Stamp and Address

• Participant Details (1) :

Full name (as per IC) : .....  
Designation : ..... Mobile Phone : ..... Email : .....  
Highest Education level : ..... ( ) Vegetarian Meal

• Participant Details (2) :

Full name (as per IC) : .....  
Designation : ..... Mobile Phone : ..... Email : .....  
Highest Education level : ..... ( ) Vegetarian Meal

• Participant Details (3) :

Full name (as per IC) : .....  
Designation : ..... Mobile Phone : ..... Email : .....  
Highest Education level : ..... ( ) Vegetarian Meal

Please attach copy of the following:

- Identification Card (I.C)

Payment Details:

- Payment should be made to "Malaysian Green Technology Corporation" (CIMB Islamic Bank Berhad: 86-0043462-1).
- Payment by Local Order is only for Government, Government Agencies and Government-linked companies

Terms and conditions:

**Programme Fee**

- ✓ Fee includes refreshment, course materials, and certificate.
- ✓ Admittance will only be permitted upon receipt of full payment.
- ✓ For Government, Government Agencies and Government-linked companies, guarantee letter is accepted however payment must be made within 14 working days after the completion of training.

**Cancellation/Transfer**

- ✓ Upon registration, participant(s) are considered successfully enrolled in the event. Should participant(s) decide to cancel/transfer their enrolment, a cancellation/transfer policy shall be applied as follows:
  - Written cancellation/transfer received less than five (5) working days from the date of programme:
    - A refund (less administrative charge of 20%) will be made
    - Unpaid registrations will also be liable for 20% administrative charges
  - Written cancellation/no show on the day of the programme:
    - No refund will be entertained
    - Unpaid registrations will also be liable for full payment of the registration fee
    - Partial cancellation is not allowed
- Substitution of participant(s) is allowed with no additional charge provided MGTC must be notified in writing of the name and designation of the new participant(s) five (5) days from the date of programme.

**Certificate of Attendance and CPD Hours**

- ✓ Upon full attendance of the programme, participants will be issued an Attendance Certificate during last day of training.
- ✓ The CPD hours will be stated in the Attendance Certificate. Participant(s) details will be submitted to ST within two (2) weeks after the programme.

**Data Protection**

- ✓ Personal Data is gathered in accordance with the Personal Data Protection Act 2010 (Act 709).

**Disclaimer**

- ✓ MGTC reserves the right to change the venue, facilitator, and reschedule or cancel the course whenever deemed necessary. We shall inform the participant(s) if any changes arise. MGTC also reserves the right to make alternative arrangements without prior notice should it be necessary to do so. Upon signing the registration form, you are deemed to have read and accepted the terms and conditions.