

COOLING SYSTEM PERFORMANCE

PRINCIPLES . PERFORMANCE . SOLUTIONS

HIGHLIGHT OF THE COURSE

- Master the fundamentals of commercial cooling systems
- Turn raw data into clear energy performance insights
- Spot hidden saving opportunities across key cooling equipment
- Learn practical ways to optimise chiller plants
- Gain real-world strategies from actual case studies

DR VTR DHARAMARAJAH

Top Trainer & Industry
Expert in Cooling Systems

WHY THIS COURSE

- ✓ **MANDATORY TOPIC BY SURUHANJAYA TENAGA (ST)**
- ✓ **GAIN IN-DEPTH INSIGHTS FROM TRUSTED INDUSTRY EXPERTS.**
- ✓ **IMPACTFUL OUTCOMES THROUGH DISCUSSION & PRACTICAL SESSIONS.**
- ✓ **HRDC CLAIMABLE TRAINING**

WHO SHOULD ATTEND?

- Energy Managers / Energy Engineers
- Mechanical & Maintenance Engineers
- Facility / Plant Engineers
- Operations & Maintenance Personnel
- Technical Managers & Supervisors



19 – 20 AUG 2026

8.30AM – 5.30PM



KUALA LUMPUR

**RM
2,800**
PER PAX

Enjoy Exclusive Discount
For Group Booking

**16
CDP**

APPROVED BY
**SURUHANJAYA
TENAGA**



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TRAINING OUTLINE

TIME	DAY 1	DAY 2
9.00AM	Cooling Systems Water and Air Side • Operation of cooling systems in commercial facilities • Water Side & Air Side • Understanding refrigeration cycle	Chiller Measured Data Analysis • Working sessions on chiller system improvement based on measured data.
10.30AM	MORNING BREAK	
10.45AM	Measured Data Analysis • Understand utility bills, rates & energy apportioning • Generate different graphs & plots • Analyze & identify Potential Saving	AHU Measured Data Analysis • Working sessions on AHU improvement based on measured data.
12.30PM	LUNCH BREAK	
2.00PM	Design and Improvement Analysis and Identification of Saving Opportunity • Calculation of base load and usage pattern • Working Session on measured data and areas of improvement	Pumping System Analysis • Measurement analysis. • Retrofitting of Pumping system & Saving Analysis. • Working sessions on pumping improvement
3.30PM	EVENING BREAK	
3.45PM	Design and Improvement Analysis and Identification of Saving Opportunity (Continue) • Methods on selection of efficient Air Conditioning • Optimizing existing chiller plant. • Areas of improvement in chiller plant.	Actual Case Studies and Analysis • Real Case Studies analysis and Improvement. • Implementation of actual projects. • Working sessions on chiller plant improvement.
3.30PM	END OF SESSIONS	

ABOUT THE TRAINER



A recognized leader in energy efficiency, Dr. VTR Dharamarajah has over 26 years of experience in HVAC and energy auditing. He has led hundreds of successful projects across Asia and Europe. He is a Registered Electrical Energy Manager (REEM) and accredited trainer for energy professionals.



SANDHURST
ADVISORY

Sandhurst Advisory is an energy advisory firm specialising in energy efficiency engineering, industrial utilities optimisation, and carbon reduction strategy.

Our Professional Development division also delivers specialised training for REM and facility professionals.



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