



SANDHURST
ADVISORY



Designed for Registered Energy Manager (REM) & facility experts responsible for delivering energy saving result.

**SANDHURST
ACADEMY
ENERGY
EFFICIENCY
MASTERY SERIES**

IR KUMARASON S KANDIAH
Chiller, Pumps &
Compressed Air System
Expert Trainer

A SYSTEMATIC & PRACTICAL APPROACH PUMP SYSTEM PERFORMANCE & ENERGY EFFICIENCY



22-23 JULY 2026
8.30AM - 5.30AM



KUALA LUMPUR



WHAT YOU WILL LEARN

- Diagnose hidden efficiencies in pumping systems
- Identify oversizing and control problems.
- Quantify potential energy savings opportunities.
- Translate pump performance analysis into energy audit findings and recommendations.
- Apply system-level optimisation approached to reduce electricity cost.

WHO SHOULD ATTEND

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

WHY THIS COURSE?



**MANDATORY CDP TOPIC BY
SURUHANJAYA TENAGA (ST)**



**IMPACTFUL OUTCOMES THROUGH
DISCUSSION & PRACTICAL
SESSIONS.**



**GAIN IN-DEPTH INSIGHTS FROM
TRUSTED INDUSTRY EXPERTS.**



**HRDC CLAIMABLE
TRAINING**

RM

2,800
per pax

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TRAINING OUTLINE

TIME	TOPIC / ACTIVITIES	TOPIC / ACTIVITIES
9.00 a.m.	Pump efficiency improvement – pre-screening & LCC approach. Understanding Pump Systems & Process Demands	Brief Day 1 lesson review Parallel and Series Pumping
10.30 a.m.	Morning Break	
10.45 a.m.	Typical Pump Types in Industries Pump System Fluid Relationships • Fundamentals Hydraulics • Total Head • System Curves	Sample PSAT Exercise ASME Standard • Organizing & conducting the Assessment
1.00 p.m.	Lunch Break	
2.00 p.m.	Understanding Pump Performance Characteristics Understanding Pump System Energy Use	File Data Collection Sample Problem – Group Exercise
3.30 p.m.	Tea Break	
3.45 p.m.	Introduction to PSAT	Assessment & Closing
5.00 p.m.	End of Day 1	End of Day 2



TRAINER'S PROFILE

IR KUMARASON S KANDIAH

- 20+ years of industry experience in energy management across Malaysia and Asia
- Led numerous energy audits and efficiency improvement projects
- Expertise in: Chiller plants, pumping system, ventilation system & compressed air system
- UNIDO International Trainer & HRD Corp Accredited Trainer



ABOUT US

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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