



Energy Conservation for Manufacturer

Awarded 4 CDP by Suruhanjaya Tenaga | HRDF Claimable

Duration: 1 Days (9.00am – 5.00pm)

Date: 22nd October 2019 Location: X-Limit Learning Hub, Kepong, KL.

Introduction

The integration of environmental sustainability and eco-efficiency has been recognized as a means to foster economic and environmental performance, increase competitiveness and use it as a lever to spur innovation.

Although energy conservation has played an important role in improving the energy efficiency of forest industries in the industrialized world, it has received less attention by those industries in the developing countries. For these countries, energy conservation would be especially important since most of them spend large amounts of valuable foreign currency on their fuel imports.

The objective of energy management is to achieve and maintain optimum energy procurement and utilization throughout the organization and to minimize energy costs/waste without affecting production and quality as well as to minimize environmental effects.

Course Objective

- Introduction of energy resource management system
- Create awareness of energy consumption impacts to environment.
- Create awareness of energy conservation management system
- Demonstrate commitment to continuous improvement of energy use in order to protect our environment.
- Helps organizations better use existing energy-consuming assets.
- Establish & facilitate the systems and processes necessary to improve energy performance, including energy efficiency, use, consumption and intensity.

Who Should Attend?

This course is designed for:

Managers, Facilities & Maintenance Department Head, Engineer or Executive; Environmental Professional or environmental Executive; Scrubber System Engineer, Effluent Treatment System Engineer, who are involve in Improvement/ Kaizen activities.



Trainer's Profile

Mr. K H Tan has worked in various fields of quality, environment, occupational safety & health for more than 37 years. He is graduated from Tunku Abdul Rahman College with a Diploma in Mechanical and Manufacturing Engineering. Mr. KH Tan has worked as QA Manager cum Group SHO in a Commercial Air-conditioning Manufacturer and at the same time pursuing his Professional Degree in Mechanical Engineering education with The Engineering Council of London (EC). He has satisfactorily completed the academic requirements for registration as a Chartered Engineer in the United Kingdom. He is also a Registered MRCA Quality Consultant and Specialized Manufacturing Manager with IMS (UK). Besides, he advanced his knowledge in Electrical & Energy Efficiency Management and registered as Electrical Efficient Manager (REEM) under Suruhanjaya Tenaga (Energy Commission).

He has diversified his working experience in project-based and mass production industries alike. He has associated himself with international and local corporate companies such as Dunham-Bush International, Hong Leong and Kian Joo Groups. During his past tenure, he has gained vast knowledge & extensive experiences in manufacturing systems, management skills and has further acquired the latest techniques in the implementation of Integrated Management Systems (IMS).

He started his career as a consultant and enhanced his skills, capability in providing consultancy services, auditing and training services on management systems of ISO 9001, ISO 14001, AS9100, ISO13485, ISO29001 and OHSAS 18001/ ISO 45001 in various industries, such as oil & gas, construction, manufacturing, logistic and service industries. KH has a proven track record in the consultancy as well as various training courses. Subsequently he joined Cambridge Management as Principal Consultant for his field of expertise. Throughout his working journey with Cambridge Management, he was instrumented in development & building sales and marketing for the company.

Time Schedule

Day 1

0900 Overview of ISO 50001:2018 Energy Management Systems.

0930 Introduction to Energy Efficiency National Energy Policy 1979

- Energy Management Standards
- Basic Concept of Energy Strategic

1015 Tea Break.

1030 Planning Process(PDCA Approach)

- Goal Setting & policies for energy conversation
- Data collection and analysis

1200 Lunch

1300 Planning Process(PDCA Approach)

- Implement simple energy conservation measures in both facilities and operations.
- Training & Education
- Continuous monitoring for improvements

1500 Tea Break

1515 Advances and New Technologies in Energy Management

- Electrical and Mechanical Equipment
- Green Energy and Renewable Energy

Case studies of energy management systems
Groups discussion
Q & A session

1600 End of Day 1