



**PRACTICAL SESSION for ORGANISATION in  
IMPLEMENTATION TOWARDS ...**



# MS ISO 50001

## Energy Management System (EnMS)

# LEARNING OBJECTIVES

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**When you have completed this workshop you will be able to:**

- *Position yourself to further develop sustainability business with superior Energy Management System (EnMS) in place within your organisation*
- *Pursue global competitive advantage following MS ISO 50001 the international standard for EnMS*
- *Understand the MS ISO 50001 requirements in a practical manner in order to reach the level of self-readiness certification*
- *Possess a full set of ISO 50001 Class documentation package to make your organisation an advance start in EnMS operation*
- *Improve energy performance in a systematic approach that can verify the savings quantitatively in line with business outputs*
- *Gain knowledge to develop and enhance the skill of your workforce through superior energy management system concept*
- *Provide effective communication internally and externally in promoting awareness of the company's sustainability drive*
- *Act on Lean energy procurement drive to ensure obtaining supplier support on implementing the EnMS operation*
- *Pursue the best practice and continual performance improvement under PDCA (Plan-Do-Check-Action) procedure*
- *Upgrade your business performance with efficient operation under the EnMS*
- *Lower the operation cost*
- *Qualify for the Superior Energy Performance (SEP) membership of the League-ISO 50001 "Self-Declaration"-Malaysia to gain national recognition as the organisation pursuing ISO 50001 Class EnMS operation.*
- *Lift your company business ranking with aggressive drive in sustainability business development*

**This comprehensive workshops will also provide you with the following benefits:**

- *By participating in the **Energy Review Workshop**, you will gain great ideas on energy conservation opportunities (ECO) typically from 5% up with low or no investment*
- *By participating in the **Management Review Workshop**, you will gain good knowledge on the importance of top management involvement in order to run an effective EnMS operation and achieving energy performance improvement*
- *By participating in the **EnMS Planning Workshop**, you will gain the skill to undertake the leadership role in implementing the EnMS operation as well as to master the planning process for your organisation*
- *By participating in the **EnMS Implementation Workshop**, you will gain the experience by hands on practices on key elements such as EnMS communication, continuous improvement process etc. as well as in managing the operation*
- *By participating in the **EnMS Auditing Workshop**, you will gain hands on practices on audit activities through the use of innovative scorecard system for gaining further appreciation of EnMS as well as providing transparency of the assessment to the organisation as an auditor*

# AN INTRODUCTION OF ENERGY MANAGEMENT SYSTEM WORKSHOP

## MANAGEMENT SYSTEM WORKSHOP AN INTRODUCTION OF ENERGY

### Energy management, it is about business development

Terminology "energy" often leads us into believe it is more an engineering issue. Especially when talking about energy efficiency, we tend to focus attention on more efficient facilities, renewable energy, non-fossil energy etc. We, as business executives need to switch our mind a bit to focus on invisible living creature running around in our daily lives, energy!! All our business in general is to generate energy, energy to pursue happiness, comfort, sense of achievement, security and so on. Energy management throughout the supply chain is to manage the input of energy that is treated and processed with energy to output another source of energy to maintain the business flow. Ultimate winner in the business is to produce the highest quality output on account of the least consumption of energy. This is true for any businesses from the primary to service industry, and is true for us consumers running our daily businesses. Energy management therefore is operational processes to develop business to the optimum scale sustaining its drive in the fast changing environment. Energy management is actually the business issue.

### ISO 50001 is here to endorse companies developing sustainability business to be competitive globally

Systematic approach in energy management with the baseline ISO 50001 provides opportunity for any business units to run their business aiming to gain the most energy efficient operation with continual improvement practice leading into the best sustainable business development and performance. The international standard provides equal opportunity globally for companies willing to develop business under superior EnMS operation.

### Energy Management's another positive aspect: Elimination of "waste"

Energy waste such as inefficient use of energy or use of energy with low/no productivity is one of the key issues confronted by many organisation today. The waste is due largely by lack of people's attention on energy behaviors, facilities degradation over time, over supply of energy to demand requirements, and misuse of energy for the purpose of work, etc. The waste is also company's undesirable expenditure placing negative impact on the business performance and must be eliminated or prevented. The only solution to this is a proper energy management system in place.

### Energy Management: Nothing to lose but only yielding further profit by adopting the ISO 50001 class

ISO 50001 Class EnMS is not a new system to be established within your organisation. The system is already integrated with your business operation, and only to require the top management involvement to utilise the ISO 50001 concept in activating energy performance improvement. It can be wisely implement without adding new resources.

### So join us in this workshop, and you will immediately see the difference

Mr. Nobby

It was a pleasure to know you and Ir. Lam.

Before attending the training, I was preparing myself for a bored 3 days training.

As most of ISO training were always focusing on explaining each clauses of the standard, its requirements, and participant will then be required to prepare examples of SOP & etc.

But to my surprise, your approach is totally anew. Sample of documents were provided, and focus were more on data analysis...

**TESTIMONY**

# ISO 50001

# WORKSHOP AGENDA

## MOBK2HOB AGENDA

| 2013   | Workshop Agenda   | Expert Trainer   |
|--------|---|--|
| 07 May | <p>8.30am – 9.00am: Registration</p> <p>9.00am -9.40am: Ice Breaking Session</p> <ul style="list-style-type: none"> <li>• <b>Welcome and getting to know each other</b></li> </ul> <p><b>“Malaysia to lead ISO 50001 Class EnMS” (Tentative title)</b></p> <p>9.40am – 10.40pm</p> <p><b>Guest Speaker: Mr. xxx – Suruhanjaya Tenaga</b></p> <p><b>Energy Management System (EnMS) and business impact</b></p> <p>11.00am – 12.45pm</p> <ul style="list-style-type: none"> <li>• Practical Guide to ISO 50001 International Standard for EnMS</li> <li>• Management Involvement is the Key</li> <li>• Importance of documentation</li> <li>• Wiki50001, EnMS Operating System Introduction</li> </ul> <p>1.45pm – 4.45pm</p> <ul style="list-style-type: none"> <li>• <b>Energy Review</b> <ul style="list-style-type: none"> <li>○ EnPI identification for baseline and targets</li> <li>○ Energy Audit including Operational improvement aspects</li> <li>○ Energy Monitoring investigation by using <b>Green IT Tech</b></li> <li>○ Identifying energy conservation opportunities (ECOs)</li> <li>○ <b>“RENKEI Control” in Action Review</b></li> </ul> </li> <li>• <b>Other management elements</b> <ul style="list-style-type: none"> <li>○ EnMS Action Plan</li> <li>○ Communication</li> <li>○ Lean Energy Procurement</li> <li>○ Continual Improvement Plan</li> <li>○ EnMS Audit</li> </ul> </li> <li>• <b>Day 1 wrap up and conclusion</b></li> </ul> | <p><b>Mr. Noboru Yamanouchi</b></p> <p><b>&amp;</b></p> <p><b>Ir. Lam Sing Yew</b></p> |
| 08 May | <p><b>WORKSHOP SESSIONS</b></p> <p>9.00am – 12.30pm</p> <p><b>Energy Review</b></p> <ul style="list-style-type: none"> <li>• EnPI identification for baseline and targets</li> <li>• Energy audit and site investigation <ul style="list-style-type: none"> <li>○ <b>“RENKEI Control” concept in action</b></li> <li>○ Identify Energy Conservation Opportunities (ECO)</li> <li>○ 1<sup>st</sup> phase monitoring system recommendation</li> <li>○ Recommended action for energy performance improvement</li> </ul> </li> </ul> <p>1.30pm – 5.00pm</p> <p><b>Management Review</b></p> <ul style="list-style-type: none"> <li>• Holding a management review session per group <ul style="list-style-type: none"> <li>○ Review the findings and recommendation</li> <li>○ Energy performance improvement targets</li> <li>○ Financial, economics and prioritizing</li> <li>○ Approving the energy saving actions</li> </ul> </li> </ul> <p><b>EnMS Action Plan</b></p> <ul style="list-style-type: none"> <li>• Establish EnMS Action Plan for implementation of EnMS operation</li> <li>• Review the EnMS fundamentals</li> <li>• EnMS Action Plan Production (Author EnMS champion)</li> </ul>  | <p><b>Mr. Noboru Yamanouchi</b></p> <p><b>&amp;</b></p> <p><b>Ir. Lam Sing Yew</b></p> |

|        |  |  |
|--------|--|--|
| 09 May | <p><b>WORKSHOP SESSIONS</b></p> <p>9.00am – 9.30pm</p> <ul style="list-style-type: none"> <li>Improvement Infrastructure using wiki50001</li> </ul> <p>9.30pm – 15.00pm</p> <p><b>EnMS Audit</b></p> <ul style="list-style-type: none"> <li>EnMS Audit Planning</li> <li>Preparing EnMS audit <ul style="list-style-type: none"> <li>Documentation and data review</li> <li>Creating audit path</li> <li>Preparing audit scorecard</li> </ul> </li> <li>EnMS audit activity <ul style="list-style-type: none"> <li>Site assessment using wiki 50001 and scorecard</li> <li>Consolidating the findings and evaluation</li> <li>Identify improvement actions and the final score</li> <li>Closing meeting</li> </ul> </li> </ul> <p>3.15pm – 4.15pm</p> <p><b>Energy Performance Continual Improvement Procedure (wiki50001)</b></p> <ul style="list-style-type: none"> <li>Implement three types of improvement procedure</li> <li>ISO 50001 compatibility gap analysis</li> </ul> <p>4.15pm – 5.30pm</p> <p><b>Ending Message and session certification presentation</b></p> <ul style="list-style-type: none"> <li>Discussion on EnMS effectiveness and future actions</li> <li>Closing Ceremony with Certificate Presentation</li> </ul> | <p><b>Mr. Noboru Yamanouchi</b></p> <p><b>&amp;</b></p> <p><b>Ir. Lam Sing Yew</b></p> |
|--------|--|--|

The workshop is recognised and supported by:



**Energy Users League of  
ISO 50001 Self-Declaration Malaysia**

**ISO 50001**



## Target audience

This workshop is mainly targeted to business oriented person responsible in energy management who represent the top management of the organisation. The represented organisation top management must be aware of the importance and effectiveness of the ISO 50001 Class EnMS operation. The organisation can be as aggressive as to expect self-readiness ISO 50001 conformity status within short period of time at the minimal cost after designated representative completing the workshop. The target audience must be prepared to adapt methodology and easy to use ready-made ISO 50001 compatible EnMS documentation that will be provided during the session.

## Practical Workshops Exercises and applying learned concepts

**Group Exercises** - The delegates will participate in both mental and physical exercises to establish the EnMS ideas and principles firmly in their minds. The classroom work will enable the delegates to understand how to use the proprietary tools and techniques correctly, to enable the delegates to identify what questions they need to ask and where to get the information they need. Team building exercises will address the importance of teamwork in implementing MS ISO 50001 assessment.

**Stimulated Case Study Workshop Sessions** - The session's covers key elements of how to establish and Plan EnMS (Plan), How to implement (Do), Verify (Check) and Improve (Act) in line with the requirements of MS ISO 50001. Delegates will have an opportunity to use all the proprietary tools and techniques they have learnt, and practice data gathering in a simulated environment. When they complete the sessions, they will have already experienced the challenges of the MS ISO 50001 implementation that can be applied as an immediate positive impact to the organisation when they return from the 3-day sessions.

## Who should attend?

Top management representative responsible for EnMS, Energy Management Control Officer, Energy Management Planning Promoter, Company Senior and/or Middle Management, Plant Energy Manager.

## Individual Attention and Post Training Support

Delegates will get individual attention, working in teams of four and/or five .

Participants will have email access to the trainer post training for any questions on implementation issues.

## All participants' will receive:

- ✧ All presentation materials in electronic format.
- ✧ A set of speakers' proprietary tools of EnMS softcopy (worth in market price RM 1,000.<sup>00</sup>)  
(EnMS 12 key management documents including EnMS charter, Energy Review Report, M&T Guidelines EnMS Audit Guidelines, plus EnMS Audit Scorecard kit)
- ✧ Training Completion Certificate
- ✧ **Eight CPD credits for maintaining the qualification status for Registered Electrical Energy Manager (REEM) awarded Suruhanjaya Tenaga**
- ✧ Qualify to the prestigious SEP membership of Energy User League of ISO 50001 "Self-Declaration"-Malaysia (The League)
- ✧ 30 minutes individual session with speakers outside the session, available upon prior request

## Don't miss this great opportunity!

*Class size is strictly limited to 20 person.*

*Book right now to avoid disappointment.*

*Successful applicants will be notified within 2 weeks from date of submitting their application.*

# EXPERT TRAINER PROFILE

## EXPERT TRAINER PROFILE



### MASTER TRAINER

## Mr. Noboru Yamanouchi@ Nobby

*Energy Management System (EnMS) Specialist*

**Nobby** is an Energy Management System (EnMS) specialist and author of EnMS management documents. His background is in the field of business development with a leading control maker in Japan.

He developed a concept of "Carbon Marketing" which was to stay with the energy users until achieving the targeted carbon emission reduction before closing the sales. In doing so, he assisted clients to develop EnMS in order to maximise the use of the deliverable supplied. His full time energy management consultancy began in 1997 in Thailand assisting energy users to comply with the ENCON Act that had become Thai law. He worked with energy users to enhance their EnMS operation to achieve energy performance improvement in line with the Thai government guideline.

After re-joining the control company as an EnMS consultant in 2002, he served Japanese energy users until 2010. During this period he also took an assignment of Japan Electronics & Information Technology Association (JEITA) where he played a team leader role undertaking the study group on "Energy Efficiency Control Technology for Climate Change". Through this work, he input elements required for the development of ISO 50001 in which JEITA was one of delegates for Japanese mission in the development. In 2010, he started his own entity EnMS-Doc Associates with its mission to broaden association globally with organisation or individuals involving EnMS in compliance with ISO 50001.



### Coach Trainer

## Ir. Lam Sing Yew @ Lammie

*Energy Management Assessor Specialist*

*MSc, BEng (Hons), PEng, MIEM, CEng, MIET*

**Ir. Lam** is a Principal Specialist cum Trainer/Speaker in the electrical field to the reliability plant management, electrical asset & safety auditor, asset maintenance management, and power quality practitioner and plant energy optimisation management.

He has acquired 17 years vast practical field experience in project management for aviation facilities, has expertise in handling mechanical and electrical (M&E) turnkey services, oil refining, petrochemical, precision manufacturing and pulp & paper industries.

With his accumulated experience in energy management assessment and also as a Registered Electrical Energy Manager (REEM) with Energy Commission (EC) Malaysia in 2009, he has facilitated industrial plants energy management of multi-national companies (MNC) for deriving energy roadmap strategies programme to enhance industrial business performance from the energy management gaps assessment activities.

He has contributed his expertise to the Energy Centre Malaysia (GreenTech) for Malaysia Industries: Part 1- Electrical Energy Efficiency Guideline handbook and also part of the Energy Efficiency & Conservation (EE&C) Act as a drafting committee member reviewer with Malaysian Ministry of Energy, Green Technology & Water (KeTTHA). Currently, he is a serving Chairman of Electrical Engineering Technical Division (EETD) with Institution Engineers Malaysia (IEM).

# REGISTRATION FORM

## REGISTRATION FORM

### Participant's Information

Name (Dr/Ir/Mr/Mrs/Ms) : \_\_\_\_\_  
NRIC/Passport No. : \_\_\_\_\_  
Designation : \_\_\_\_\_  
Address : \_\_\_\_\_  
Postcode : \_\_\_\_\_  
Country : \_\_\_\_\_  
Telephone : \_\_\_\_\_  
Mobile : \_\_\_\_\_  
Facsimile : \_\_\_\_\_  
Email : \_\_\_\_\_

### Fee and Special Deals:

Early bird fee: (Pay before 14 April) RM 3000.<sup>00</sup>

Normal Fee : (Pay after 14 April) RM 3300.<sup>00</sup>

### Payment Option (Please ✓ where applicable)

- Cheque made payable to "Hallmark Access Sdn Bhd" and crossed Cheque No :
- Telegraphic transfer :

Bank Name : CIMB Bank Berhad  
Bank Address : Lot P5.5, Bangunan UMNO  
Sek. 14, Persiaran Perbandaran  
40000 Shah Alam, Selangor  
Bank Account No. : 12051311179058  
Swift Code : cibbmykl

### Substitution of Delegate

This is allowed, provided the Organiser is notified in writing of the name and the designation of the new delegate(s) at any time prior to the commencement of the event. Transfer of registration to other programmes is not permitted.

### Refund of fees

All cancellation of registration must be made in writing. If cancellation is received:

- More than 14 days before event, 30% will be refunded
- 7-14 days before the event, 10% will be refunded
- Less than 7 days, there will be no refund

### Cancellation

We reserve the right to cancel the programme due to unforeseen circumstances.

Signature : \_\_\_\_\_  
Date : \_\_\_\_\_

Upon signing this form, you are deemed to have read and understood the Registration Guidelines, Procedures and Policies and have accepted the terms therein. Please return this registration form together with the payment to reach us before the commencement of the event. Please address it "Coal Quality & The Environment: A Practical Approach" to our above mentioned address.

### Administration Details

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Hicom-Glenmarie Industrial Park  
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