



Certification Europe™
Making Business Better

Improving your business via an Energy Management System

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Overview



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- Summary of ISO 50001 – common sense?
- Survey on benefits – client feedback
- Some learnings - industry examples
- Q+A

ISO 50001



- The NEW international standard for an energy management system
- Modelled on existing ISO management system standards
- Applicable to ALL organisations
- Deployed in a variety of energy users
- Requirements are common sense...if you really want to improve
- Our experience....it saves!!!



- Summary of the requirements
 - » Decide what you need to manage - establish the scope, boundary and policy
 - » Establish where you are currently at - conduct an energy review to establish use patterns, variables and influencers, areas of significance energy use and establish a baseline of current energy performance
 - » Establish the relevant measures to track improvement - establish performance indicators, improvement objectives and actions plans with verification methods
 - » Get help - communicate, train and document – design requirements, procurement arrangements, methods and processes



- Summary of the requirements
 - » Be smart - gain a good understanding of the variables affecting energy use in your organisation (design, process, people, weather etc.)
 - » Be smart - use fact based data to establish relevant performance indicators and challenge them for relevance
 - » Be smart - communicate to relevant stakeholders (staff, management, contractors, customers) to effect control
 - » Measure - performance and correct where necessary
 - » Record - maintain key records to support operation and improvement
 - » Retain – maintain savings into project delivery

- ISO 50001 Certification
 - » 2 stage assessment to assess, based on a sample approach, if the requirements of ISO 50001, as adopted to your needs, are being delivered and
 - » That there is verifiable evidence of this
 - » Similar to other third party assessments for ISO standard...except,
 - » The focus is solely on energy and the assessment is part systems, part technical – can we identify opportunities for improvement and energy savings?
 - » Certification bodies should have ISO 17021 accreditation to certify this standard

Survey 2011



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- 2 phase approach:
- Phase 1
 - » Those clients certified to date
 - » Those clients implementing the standard
 - » Sample size – 25
- Phase 2
 - » Emerging markets
 - » Government schemes
 - » Unaccredited certificates?
 - » Sample size 25+

What are findings? – Phase 1



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- Taken from respondents
 - » We have increased in house understanding of the variables affecting energy consumption, allowing for effective management, planning and control
 - » The validation of savings/projects is mandated thereby improving ROI assessments and giving us a basis to challenge suppliers
 - » Energy management has become central to day to day operations, from procurement to maintenance, within the business as opposed to being a technical supply issue
 - » Energy performance has improved and as a cost centre reduced in impact – in a controlled manner

What are findings?- Phase 1



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- Taken from respondents
 - » We now appropriately budget for energy consumption instead of trying to react to increases in energy prices
 - » We have challenged the design of our process without impacting on product quality
 - » Energy management is considered in our procurement process – from raw material to service partner
 - » The business now realises the value of energy management – its reported to top management and they support the system
 - » We now have a prioritised list of opportunities, with clear cost benefit analysis, to consider into our business planning

Learnings?



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- Real life examples:
 - » Certification has helped **Diageo Baileys Global Supply's** operations to address its energy use in an extremely positive manner. Since engaging in the energy management certification process we have saved 25% on weekend energy costs alone.
 - » **Abbott Nutrition International** has found ease of management of energy projects and documentation since we implemented the Energy Management System

Learnings?

- Real life examples:
 - » Energy management system certification has helped **DePuy** proactively focus on reducing its energy consumption and driving energy efficiency and has enabled the organisation to expand its operations in a more sustainable manner
 - » The **Pfizer** system has provided an excellent framework for monitoring energy consumption and developing realistic reduction targets and has facilitated in the development of a clear, concise energy management program

- Certification Europe is an international certification, inspection and training body
- HQ is in Dublin, Ireland; offices in N. Ireland, Italy, Turkey & Japan
- Accreditations from UKAS, ACCREDIA, INAB, CPAS, APMG etc etc
- In our Certification Services Division we assess and certify conformity to a range of international management system standards
- Please visit us at **Stand H102** to enter a draw for a **FREE ISO 50001 gap analysis audit**



- Energy Management Experience
- Worlds first accredited certification scheme for an energy management standard:
 - » IS 393 (Ireland)
 - » EN 16001 (EU)
 - » ISO 50001 (World wide)
- Delivering training on “how to”:
 - » Ireland/UK
 - » Italy
 - » Canada
 - » South Africa
 - » Japan

More information



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- Where can I learn more?
- Further details:
 - » Stand **H102**
 - » www.certificationeurope.com
 - » <http://www.facebook.com/#!/pages/Certification-Europe/106981032707626>
 - » <http://www.linkedin.com/company/certification-europe>
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