

Energy management system and The auditing in the factories





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Course Objective

- ➤ What needs to be done on the site to achieve optimal energy management
- ➤ Significant energy use areas will be identified
- > Estimates of what energy savings could be expected
- ➤ What needs to be further investigated for more accurate energy saving targets
- > Who needs to be trained and to which level
- ➤ Which services would need to be outsourced
- ➤ Which services could be catered for in-house
- ➤ How much needs to be invested in the short, medium and longterm
- Which technologies and retrofits need to be considered
- ➤ Which incentives and rebates could be pursued
- What is required to continuously save energy
- ➤ understand and interpret the requirements of ISO 50001:2011;
- ➤ assess the compliance of the system against the requirements of the standard;
- > plan, conduct, report and implement follow-up audit activities.



Target Audience

- > Energy Managers
- ➤ Compliance Managers
- ➤ Management representatives
- ➤ Those who want to become third party auditors for ISO 50001

Course Outline

- ➤ The financial, organisational, production and sustainability benefits of correct implementation
- ➤ The ISO50001:2011 standard overview and integration with existing operational standards
- ➤ Planning for energy management system implementation
- > Setting the basis for improvement through implementation with the end in mind
- ➤ KPI's and legal obligations
- > Resource management and competence evaluation
- > Operational and project control
- ➤ Monitoring and measurement for accuracy
- ➤ Management review
- Process approach;
- > Standards, principles, definitions;
- Accreditation, certification and types of audit;
- ➤ ISO 50001:2011 requirements review and their practical implementation in the organization's activities;
- > Techniques for carrying out an audit;
- > Plan, conduct and report an audit;
- > Techniques for continuous improvement.



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