

# DEVELOPMENT OF AN ENERGY MANAGEMENT SYSTEM TO ISO 50001 STANDARD

## DEVELOPMENT OF ENERGY PERFORMANCE MANAGEMENT SYSTEM

<b>Sector</b>	<b>Governmental</b>
<b>Client</b>	<b>A UAE Federal Government division</b>
<b>Service</b>	<b>Development of an energy management system to ISO 50001 standard</b> <b>Development of energy performance management system</b> <b>Assistance with system implementation</b>
<b>Project Days</b>	<b>46</b>

## CLIENT PROBLEM ?

Many clients wish to use an external consultancy to enhance their sustainability and develop and facilitate optimum energy management. They also wished to operate in accordance with applicable legal and regulatory requirements, international standards and industry specific best practices.

Benefits of implementing an ISO 50001 system include the introduction of a way to evaluate En performance, ways to identify areas for improvement, increase efficiency and reduce losses. Facilitate the significant reduction of energy costs through measurement and management of energy consumption. Reinforcement of good energy management behaviors throughout the business and the promotion of energy efficiency throughout the supply chain.

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# Our Solution

The Corporate OHS Consultant worked to develop a risk-based, structured and an adaptable energy (En) management framework. This included evaluation of the clients En performance, identification of areas requiring corrective actions and areas of improvement and an ways to facilities an increase of efficiency and reduction of losses.

The Consultant also identified strategic and operational targets, objectives and key performance indicators such as:

- o Energy consumption
- o CO2 emissions and costs
- o Air quality
- o Waste management analysis
- o Environmental breaches

The project also included performance management to include dashboard development to present and monitor the objectives, targets and KPIs.

## Summary of Outputs

The following deliverables were handed over to the client:

- Gap analysis report on the current En management system identifying areas for improvement
- Production of a high level Action Plan
- Update and/or revision of En management system documentation in line with ISO 50001 standard
- Develop of strategy relating to En management
- Development of an En measuring and monitoring system
- Implementation support of En management system
- Training on En management system