

ISO 50001 EnMS Webinar



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- Welcome From PJR Headquarters:
 PJR
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 Phone: 1-800-800-7910
 - Email: PJR@PJR.com
- Audience for today's meeting
- Introduction of speakers



Sharada Rao Environmental Assistant Program Manager

- Today's Session (1 Hour)
 - Informational Standard Overview
 - ISO 50001 Breakdown
 - Energy Performance
 - Certification Process
 - Program Launch Candidate
 - EnMS Auditor Training
 - Resources
 - Questions









Why consider ISO 50001 when ISO 14001 already exists?



- ISO 50001 has been designed solely for the management of energy.
- Energy management is often overlooked with ISO 14001.
- Most companies do not truly understand how much energy they currently use and how much money they can potential save by implementing an EnMS.
- Forces companies to establish baselines and identify areas for significant improvements in energy performance.
- Encourages companies to look into renewable energy sources.











ISO 50001 Benefits

- Realization of <u>energy cost savings</u>
- Maximize the use of energy sources and assets
- Reduced <u>energy consumption</u>
- increased energy efficiency
- increase energy performance
- Reduced environmental impact
- Helps to achieve energy <u>compliance</u>
- <u>Worldwide credibility</u> for energy consciousness.
- Able to be used by <u>small to large organizations</u> across diverse commercial, industrial, and public sectors.
- Improves the ability to set baselines, measure, monitor and report on energy performance





























Energy Performance OFIs



Facility Type	Yearly Energy Costs	Recommendation	Cost to Implement (\$)	Annual Savings (\$)	Payback Period (Yr)
Aluminum Die Casting	\$534,927	Investigate the Possibility of Alternative Electric Rate Schedule	\$0	\$12,973	0
		Install Economizers on the Existing Pad-mounted Units	\$2,400	\$3,034	0.8
		Insulate the Gas Kilns	\$3,782	\$7,575	0.5
		Implement A Regular Maintenance Program to Eliminate Air Leaks	\$535	\$6,211	0.1
		Install Adequate Compressed Air Storage	\$3,690	\$2,882	1.3
		Replace T12 Fluorescent Lighting with T8 Fluorescent Lighting	\$5,444	\$763	7.1
		Retrofit Exit Signs With LED Kits	\$745	\$464	1.6
		Replace Mercury Vapor With Metal Halide	\$1,846	\$550	3.4

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Examples of Energy Objectives and Targets



OBJECTIVES	TARGETS		
Deduceren	∑ Reduce electricity use by 5% in 1999		
Reduce energy use	∑ Reduce natural gas use by 15% in 1999		
	Σ Reduce use of diesel oil by 10% in 1999		
Reduce usage of hazardous	∑ Eliminate use of CFC's by 2005		
chemicals	∑ Reduce use of high-VOC paints by 50%		
Reduce hazardous waste generation	∑ Reduce chrome wastes in plating area by 50% in 1997		
Improve employee awareness of	Σ Hold monthly awareness training courses		
environmental	Σ Train 100% of employees by end of 1999		
Reduce waste water discharge	Σ Recycle water by 20% in boiler by 1999		































Seeking ISO 50001 Program Launch Candidate



- PJR is offering an ISO 50001 Certification Audit at a 50% discount with no travel costs to the first company to sign up as our program launch audit candidate.
- PJR has been a leader in the ISO 50001 standard since its inception. Here are just a few reasons why PJR is at the top for ISO 50001:
 - We participated in the first ever ISO 50001 Lead Auditor training course
 - We provide technical expertise to guide our clients in the field of energy
 - We are creating a training program for lead auditors and internal auditors
 - We provide a 24 hotline you can utilize the knowledge of an ISO 50001 Certified Lead Auditor; and discover what is expected to effectively meet the requirements of ISO 50001 certification, as well as learn common pitfalls so that your organization can utilize key aspects to lessen time spent preparing for certification
 - We provide flexibility
 - We always consider the best interests of the client
- For more information about this exciting opportunity and to learn more about ISO 50001, please contact PJR at 1-800-800-7910.









Resources for Establishing and Implementing an EnMS



- http://www1.eere.energy.gov/energymanagement/
 - Information and resources provided by the U.S. Department of Energy (DOE)
- https://save-energy-now.org
 - Step by step guide for establishing and implementing an EnMS
 - Provides templates for requirements of the standard
- http://www.iso.org
 - Information on purchasing the ISO 50001:2011 standard
- <u>http://www.energystar.gov</u>
 - Provides guidelines for Energy Management
- <u>http://www.rabgsa.com/qb_iso50001.html</u>
 - Auditor competency requirements and exam details



