



ENERGY MANAGEMENT LEADERSHIP AWARDS

Agenda

- CEM Energy Management Working Group
- ISO 50001
- Energy Management Leadership Awards





CLEAN ENERGY MINISTERIAL (CEM)

The Clean Energy Ministerial (CEM) is a high-level global government forum focused on accelerating the transition to a *global clean energy economy*.

~ 90% of Global Clean Energy Investment ~ 75% of Global GHG Emissions

The CEM is focused on three global climate and energy policy objectives:

- Increase energy efficiency worldwide
- Expand clean energy supply
- Enhance clean energy access





ENERGY MANAGEMENT WORKING GROUP (EMWG)

The EMWG leverages the extensive expertise of its member governments to **accelerate the adoption and use of energy management systems such as ISO 50001** in industry and in commercial buildings worldwide.

Fora: The EMWG is an initiative of the Clean Energy Ministerial and IPEEC and also reports out to the G20 Energy Efficiency Action Plan.

Partners: A range of organizations promoting energy efficiency and energy management. Such as UNIDO and is Category A Liaison to ISO TC 301.

EMWG's Energy Management Campaign: Driving action to reach 50,001 global certifications to ISO 50001 by 2020.
www.driveto50001.org

<http://www.cleanenergyministerial.org/EnergyManagement>





INTERNATIONAL PARTNERSHIP FOR ENERGY EFFICIENCY COOPERATION (IPEEC)

IPEEC is an international government forum that provides global leadership on energy efficiency by facilitating implementation of policies and programs to yield energy efficient gains.

IPEEC is dedicated to facilitating rapid deployment of energy efficiency worldwide and promoting information exchange on best practices to facilitate initiatives that improve energy efficiency.





ISO 50001 - A KEY STRATEGY FOR FIGHTING CLIMATE CHANGE

Over +50 countries have worked together through ISO to create a globally-relevant standard that countries can leverage to meet their international climate commitments

ISO 50001 is:

- Ambitious and Quantifiable:
 - Relevant to sectors that account for over 50% of global energy use
 - Data-driven action to improve energy performance on a continual basis
- Transparent, comparable and verifiable:
 - Globally-harmonized; transparent certification process; internationally-relevant
- Business Friendly



~15,000
certified sites
worldwide
since 2011

LEADING ORGANIZATIONS ARE USING ISO 50001 TO ACHIEVE ENERGY, GHG EMISSIONS GOALS





ENERGY MANAGEMENT LEADERSHIP AWARDS

RECOGNIZING LEADERSHIP



- **Showcase leading companies** that have used EnMS such as ISO 50001
- **Document the path to success** to guide others
- **Raise global awareness of the benefits of energy management**
- Accelerate broad implementation of these proven systems to **help meet organizational, national and global energy and climate goals**



ENERGY MANAGEMENT LEADERSHIP AWARDS

GLOBAL LEADERSHIP AND CASE STUDY AWARDS PROGRAM



Overview:

The Clean Energy Ministerial invites your company or organization to compete for a prestigious global award by sharing your experiences in implementing energy management strategies through ISO 50001.

Organizations are invited to submit case studies for recognition. Entries will describe ISO 50001 implementation and results.

Juried selection process by a committee of EnMS experts from around the world.

Award recipients will be notified in April 2017 and publicly announced in June 2017.

These awards are managed by the CEM EMWG

**Submission deadline extended:
14 February 2017**



ENERGY MANAGEMENT LEADERSHIP AWARDS

GLOBAL LEADERSHIP AND CASE STUDY AWARDS PROGRAM



Benefits :

- **Opportunity for recognition** on a global scale from program in high level forum with support from energy ministers
- **Demonstrate commitment and leadership** to customers, investors, employees, etc.
- **Affirmation of leadership by trusted third parties** on their behalf: governments, press, international organizations, etc.
- **Each organization receives award** for contributing insights through their quality case study

Eligibility:

- **Third-party certification to ISO 50001** - Organizations around the world in the industrial, commercial or public sectors that have achieved third-party verification of quality EnMS implementation; ISO 50001 certification required



ENERGY MANAGEMENT LEADERSHIP AWARDS

AWARD CATEGORIES

CEM Award of Excellence in Energy Management

- This award recognizes achieved savings and an organizations' efforts to transform the way they are using energy. The awards aim to acknowledge organizations of various sizes, types, sectors, and geographies.
- The top winners to be honored at eighth Clean Energy Ministerial (CEM8)

National Energy Management Awards

- Governments may honor organizations submitting top entries from their countries.

Energy Management Insight Awards

- All qualifying entries will be recognized for helping to build global insight on the benefits of energy management systems.

Clean Energy Ministerial 8 (CEM8)

6–8 June 2017, Beijing, China

www.cleanenergyministerial.org/Events/CEM8



Delegates convened at CEM7 in 2016





ENERGY MANAGEMENT LEADERSHIP AWARDS

ONLINE RESOURCES





- **Website:**
www.cleanenergyministerial.org/EMAwards
- **Fact Sheet** to download and share
- **Official Rules** with full award program details, including how to apply, submission deadline, selection process, evaluation criteria, etc.
- **Frequently Asked Questions (FAQs)**
- **Entry Form and Case Study Template** to use when preparing award entry, incorporates evaluation criteria, associated point values, content guidance, and format
- **Apply Today** page to start the process



ENERGY MANAGEMENT LEADERSHIP AWARDS

HOW TO APPLY

- Organizations must submit a **Entry Form** and a completed case study using the **Case Study Template**
- Case study entries must:
 - Be completed in English
 - Not exceed 6 pages in length (Longer entries will not be accepted)
 - Include a copy of your current ISO 50001 certificate
 - Be submitted by 14 February 2017; early submissions are encouraged

Entry Form for the CEM Energy Management Leadership Award Program

Please complete this form to be considered for the **2017 CEM Energy Management Leadership Awards**. This program is administered by the CEM Energy Management Working Group (EMWG). See the Awards Program webpage for details: <http://www.cleanenergyministerial.org/Energy-Management-Leadership-Awards>

TO APPLY: Email your entry no later than **January 24, 2017** to EMWG@energetics.com. All Entries must be submitted in English. Each entry must include:

1. A fully completed entry form
2. A copy of your current ISO 50001 certificate(s)
3. A case study, must be completed using the standard format provided in the official template

All eligible entries that meet the evaluation criteria will be:

1. Awarded the Insight Award
2. Considered for the CEM Awards of Excellence
3. Considered for national awards (see participating countries): [LINK](#)
4. Included on the EMWG case studies library: [LINK](#)

Early submissions are strongly encouraged. Upon receipt, each entry will be reviewed for completeness. If your entry is incomplete, you will be notified and can resolve the issue and re-submit your entry by no later than the submission deadline: 24 January 2017.

1. Organization Information

Organization Name Parent company (if applicable)

Organization Website

Submitter's Name Submitter's Title

Submitter's Phone Number Submitter's Email

Address Country

How did you hear about this Awards Program?

2. Scope of Case Study

Describe the ISO certification approach featured in the case study (e.g. single site or group of sites. Is this part of a divisional or corporate strategy? If so, how?)

Number of ISO 50001 certified sites featured in this case study Sector Industry

Does the case study feature site(s) recertified to ISO 50001? Specify industry if "other"

How mature is your organization's Energy Management program?

List site details: If you have more than 3 sites, please continue to enter details in the worksheet entitled "Site List"

#	Site Name	City	Country	Certification Body (CB)	Accreditation Body	CB Contact Name & E-mail (optional)
1						
2						
3						



ENERGY MANAGEMENT LEADERSHIP AWARDS

CASE STUDY TEMPLATE

- The **Case Study Template** provides:
 - Required layout, fonts, and formats to be used when developing your case study
 - Evaluation criteria and point values associated with content
 - Displayed in **red text** throughout the template
 - Used by the judges to score the entry
 - Guidance on content with example of topics to address
 - Displayed in **gray text** through the template

Global Energy Management System Implementation: Case Study
 Add Country Name(s)

Organization Name
Add byline here: e.g., achievement by company or facility.

Add Photo
Include caption

Business Case for Energy Management
Add text here in Calibri Font Size 11. Case study should not exceed 6 pages!

1.1. Company Profile/Business Case – up to 10 points
Describe your company, motivations for your energy and climate sustainability efforts, and goals. Role energy management plays in corporate strategy, business rationale, associated national or international program. For example, these could include, but are not limited to:

Drivers: Reason energy management was implemented, e.g., internal factors, such as long-term corporate targets and goals, etc.; external factors, such as regulatory or domestic environment, price of energy, etc.; as well as any non-energy drivers such as reputation or brand, employee motivation, etc.

Energy management program: Name and describe the national, regional, or local program that requires or encourages energy management actions, if applicable

Energy reduction approach: Description of prior approach to reduce energy use and how this changed as a result of ISO 50001 adoption

--Delete these boxes for final submission --

Case studies exceeding 6 page limit will be disqualified!

Business Benefits Achieved
Add text here

1.2. Business Benefits (Sum of points)
Describe your organization's approach to implementing ISO 50001. Sum as achieved energy performance savings and energy cost savings from EnMS efforts, and other savings, please convert to the following units: \$/yr, %/yr, etc.

--Delete these boxes for final submission --

EnMS Development and Implementation
Add text here – Provide an overview of the program then follow with more detail headers. Use the sub-headers provided. Do not include the following: (1.1, 1.2, 1.3, etc.)

1.3. Organizational – up to 10 points
Describe your organization's approach to business maturity (i.e. newly certified, re-certified, etc.) management systems including top management support, involvement, and resources provided (4.2.1B, A.2.1); EnMS team lead key team members and their roles/divisions/departments and roles.

--Delete these boxes for final submission --

1

2

“Add quote from organization about its achievement and success through ISO 50001.”
—Name of representative, title

Case Study Snapshot	
Industry	
Product/Service	
Location	
Energy Management System	ISO 50001
Energy Performance Improvement Period	Total number of years for which energy was improved
Energy Performance Improvement (%) over improvement period	Calculate using formula below*
Total energy cost savings over improvement period	Convert to \$USD*
Cost to implement EnMS	Convert to \$USD*
Payback period on EnMS implementation (years)	Calculate using formula below*
Total Energy Savings over improvement period	(\$J)
Total CO ₂ -e emission reduction over improvement period	(Metric tons)



ENERGY MANAGEMENT LEADERSHIP AWARDS

EVALUATION CRITERIA

- Each Case study is evaluated based on content criteria
- Points are associated with topics that meet two criteria:
 1. Describe ISO 50001 implementation and resulting business benefits (8 topics, 80 points possible)
 2. Provide advice, tips, and visuals (3 topics, 20 points possible)
- A panel of experts will use the evaluation criteria to score entries (100 points possible)

Evaluation Criteria	Insight Awards	CEM Award of Excellence & National Awards: Points available	
1. Describes high-quality and replicable description of ISO 50001 implementation and resulting business benefits:	Addresses each of the evaluation criteria? Yes/No	80 points possible	
1.1. Company Profile/Business Case		up to 10	
1.2. Business benefits		up to 15	
1.3. Organizational		up to 10	
1.4. Energy review and planning		up to 10	
1.5.1. Cost-benefit analysis		up to 5	
1.5.2. Approach used to determine whether energy performance improved		up to 10	
1.5.3. Approach used to validate results		up to 5	
1.6. Steps taken to maintain operational control and sustain energy performance improvement		up to 5	
1.7. Development and use of professional expertise, training, and communications		up to 5	
1.8. Tools & Resources		up to 5	
2. Provides useful advice and tips, compelling quotes, and visuals:		All included? Yes/No	20 points possible
2.1. Lessons Learned			up to 10
2.2. Quotes	up to 5		
2.3. Visuals	up to 5		
Total		100 points possible	



ENERGY MANAGEMENT LEADERSHIP AWARDS

SELECTION PROCESS

Case study submissions

Entries submitted from around the world
Deadline extension: 14 February 2017



Secretariat Review

Entries that meet requirements are accepted and move forward



Expert Review & Scoring

Experts review & score case studies
Secretariat tabulate results
Highest scoring submissions move forward as finalists for the Excellence Awards

Energy Management Insight Awards

All qualifying entries earn this award for sharing high-quality, replicable description of ISO 50001 use and results to help accelerate global achievement of energy and carbon targets

CEM Awards of Excellence

Experts join in meeting to review and discuss finalists and select top winners for Awards of Excellence

National Awards

Countries offering national awards receive case studies from their countries with scores
Countries share national award winners for highest scoring case study (optional: additional national criteria)



ENERGY MANAGEMENT LEADERSHIP AWARDS

2017 AWARDS SELECTION COMMITTEE

Winners are identified by a juried selection process by a committee of EnMS experts. The 2017 Selection Committee consists of a panel of experts from around the world:

Participating Experts

Australia: Albert Dessi

Canada: Michael DeWit

Canada: Bei Wang

Chile: Michel de Laire

India: Suhas Lohokare

Indonesia: Aris Ika

Nugrahanto

Ireland: Liam McLaughlin

Japan: Akira Ishihara

Japan: Fuyuhiko Noda

Mexico: Bernardo Lazcano

South Africa: Wendy da Cruz

United Kingdom: Kit Oung

UNIDO: Bettina Schreck



Experience/Expertise:

- Serves on ISO TC 301
 - Serves on country advisory group or mirror committee to ISO TC 301
- Or
- Minimum 2 years of experience with management systems implementation or auditing
 - Certified by national energy management professionals program (for ISO 50001 implementation or auditing)

Expert Bios: <http://www.cleanenergyministerial.org/2017-Energy-Management-Awards-Selection-Committee>



Many recognition opportunities for organizations!

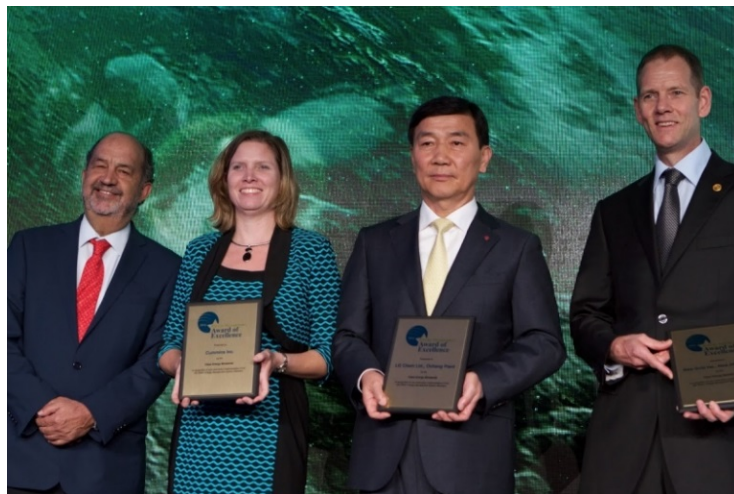
- CEM Award of Excellence in Energy Management
- CEM Energy Management Insight Award
- National Energy Management Awards
 - e.g., Canada, South Africa, UAE, etc.

The 2016 Awards program produced **35 new ISO 50001 case studies** from 20 countries and a variety of sectors!

Visit the CEM website to view:

- 2016 award winning case studies
- Complete program details for the 2017 awards competition

2016 Award of Excellence Winners





VIDEO



CEM's top Energy Management Leadership Award winners share ISO 50001 insights and business benefits. <https://youtu.be/6tXoa8loSds>



ENERGY MANAGEMENT LEADERSHIP AWARDS

EXPRESS YOUR INTEREST

- Organizations interested in applying for the 2017 award should send full name, point of contact, email, company and country affiliation to EMWG@energetics.com.
- This ensures you will receive important updates or clarifications. This does not obligate participation.



CLEAN ENERGY MINISTERIAL ENERGY MANAGEMENT WORKING GROUP (EMWG)

Learn more:

www.cleanenergyministerial.org/EnergyManagement

www.cleanenergyministerial.org/EMAwards

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