



# ENERGY MANAGEMENT LEADERSHIP AWARDS

2018 Energy Management Leadership Awards

2018 Energy Management Leadership Awards

Accepting submissions from ISO 50001 pioneers through 24 January 2018

A banner for the 2018 Energy Management Leadership Awards. The background is a photograph of a city street at dusk, featuring a large, ornate building with a prominent spire and a bridge over a canal. The text is overlaid on the image. On the left, there is a circular logo with a stylized globe and the year '2018'. To the right, the title '2018 Energy Management Leadership Awards' is written in a large, white, sans-serif font. Below the title, the text 'Accepting submissions from ISO 50001 pioneers through 24 January 2018' is written in a smaller, white, sans-serif font.



# 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.

**EMWG's Energy Management Campaign:** Driving action to reach 50,001 global certifications to ISO 50001 by 2020.  
[www.driveto50001.org](http://www.driveto50001.org)

[www.cleanenergyministerial.org/EnergyManagement](http://www.cleanenergyministerial.org/EnergyManagement)



Australia



Argentina



Canada



Chile



China



Denmark



European Commission



Finland



Germany



India



Indonesia



Japan



Korea



Saudi Arabia



Mexico



South Africa



Sweden



United Arab Emirates



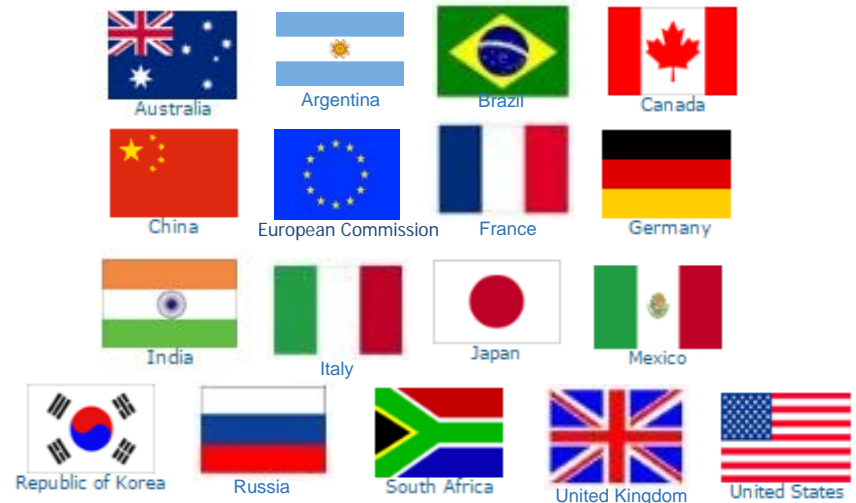
United States



# 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



**Over 23,000 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**

[www.cleanenergyministerial.org/EMAwards](http://www.cleanenergyministerial.org/EMAwards)



# ENERGY MANAGEMENT LEADERSHIP AWARDS

## GLOBAL LEADERSHIP AND CASE STUDY AWARDS PROGRAM



**Submission deadline:**  
**24 January 2018**

Early submissions encouraged.

### **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 2018 and publicly announced in May 2018.

These awards are managed by the CEM EMWG.





# 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 sector certified to ISO 50001 are eligible to participate. ISO 50001 certificates must be issued by an accredited, third-party certification body.



# 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 ninth Clean Energy Ministerial (CEM9 )

### 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.

**Top awardees to be honored at CEM9**

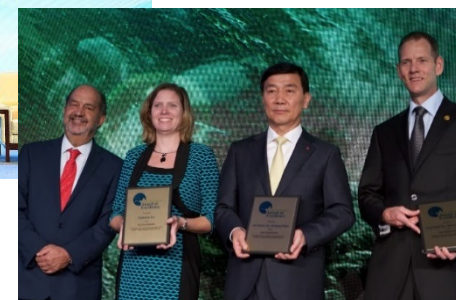
23–24 May 2018

Copenhagen, Denmark and Malmö, Sweden

**Delegates at CEM8**



**Award of Excellence winners at CEM 7 and CEM8**





# ENERGY MANAGEMENT LEADERSHIP AWARDS

## ONLINE RESOURCES




- **Website:**  
[www.cleanenergyministerial.org/EM Awards](http://www.cleanenergyministerial.org/EM Awards)
- **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




# ENERGY MANAGEMENT LEADERSHIP AWARDS

## HOW TO APPLY

- Organizations must submit an **Entry Form** and a completed case study using the **Case Study Template**.
- Case study entries must:
  - Be completed in English
  - 4-6 pages in length, longer case studies not accepted
  - Include a copy of current ISO 50001 certificate
- 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** throughout the template



**CLEAN ENERGY MINISTERIAL**  
Accelerating the Transition to Clean Energy Technologies



**Entry Form**  
for the CEM Energy Management Leadership Award Program

Please complete and submit this form to the award administrator at <http://www.cem.ca>

**TO APPLY:** 2018 to EMs submitted in 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

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

Add Photo

Include caption

2. **Business Case for Energy Management**  
Add text here in Calibri Font Size 11. Do not exceed 6 pages.

**1.1. Organization Profile/Business Case- up to 10 points** Describe your organization, motivations for energy and climate sustainability efforts, and goals. Describe the role energy management plays in the organization's 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 -

**Global Energy Management System Implementation: Case Study**

Add Country Name(s)

*"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 (years) on EnMS implementation	See formula under 1.E.1/1.E.2 (page 3)
Total Energy Savings over improvement period	(\$/yr)
Total CO <sub>2</sub> -e emission reduction over improvement period	(Metric tons)

\* (EPI%) should be determined by using the following formula:  

$$EPI\% = \left( \frac{\text{Baseline Period Energy Consumption} - \text{Reporting Period Energy Consumption}}{\text{Baseline Period Energy Consumption}} \right) \times 100$$
 Where the baseline period energy consumption and reporting period energy consumption are accounted for using the same organizational boundary(ies) and the two periods are equivalent in length. Energy consumption of either period should be normalized for significant variables (e.g. weather, production cycles, occupancy, etc.)  
 - Delete this -



# ENERGY MANAGEMENT LEADERSHIP AWARDS

## EVALUATION CRITERIA

- A panel of experts will review and score entries using the evaluation criteria (100 points possible)
- Points are associated with:
  1. Describe ISO 50001 implementation and resulting business benefits (80 points possible)
  2. Provide advice, tips, quotes, and visuals (20 points possible)

The Evaluation Criteria is included in the Case Study Template and online in the Official Rules:  
[www.cleanenergyministerial.org/Our-Work/Initiatives/Energy-Management/Leadership-Awards/Official-Rules#EvaluationCriteriaandScoring](http://www.cleanenergyministerial.org/Our-Work/Initiatives/Energy-Management/Leadership-Awards/Official-Rules#EvaluationCriteriaandScoring)

Evaluation Criteria	Insight Awards	CEM Award of Excellence & National Awards: Points available
1. Describes high-quality and replicable description of <b>ISO 50001 implementation</b> and <b>resulting business benefits</b> :	Addresses each of the evaluation criteria? Yes/No	80 points possible
1.1. <b>Organization Profile/Business Case</b> (Describes organization, its motivations for energy and climate sustainability efforts, and goals. Describes the role energy management plays in the organization's strategy, business rationale, associated national or international program)		up to 10
1.2. <b>Business Benefits</b> (Summarizes the organization's accomplishments / business benefits from implementing ISO 50001, such as achieved energy performance improvement, annual energy savings and energy cost savings, CO <sub>2</sub> -e reduction resulting from EnMS efforts, and non-financial benefits)		up to 10
1.3. <b>Organizational</b> (Describes organization's approach to building the EnMS and maturity (i.e., newly certified or recertified, use of existing management systems including 9001 or 14001), including top management support, involvement, roles, decision-making, and resources provided (ISO 50001:2011 Section 4.2.1 & Annex A.2.1); EnMS team leader (Section 4.2.2 & A.2.2) and key team members and their respective divisions/departments and roles)		up to 10
1.4. <b>Energy Review and Planning</b> (Section 4.4.3 & A.4.3) (Describes the process of understanding energy consumption & use, energy review, analysis, decision-making on where to focus resources, and action planning)  <b>Review, analysis, and planning:</b> Insights on how the staff set the baseline (Section 4.4.4 & A.4.4), determined performance metrics, energy performance indicators (Section 4.4.5 & A.4.5), evaluated opportunities and selected projects, development and implementation of action plans, some specific measures in the action plan based on energy review and analysis (Section 4.4.6 & A.4.6).  <b>Financing:</b> How internal financial resources and commitments were obtained.  <b>Duration:</b> Amount of time needed to establish the EnMS.		up to 15
1.5.1. <b>Cost-Benefit Analysis</b> (Describes savings associated with the EnMS program, the costs to implement, the EnMS, and include the payback period.)		up to 5
1.5.2. <b>Approach used to determine whether energy performance improved</b> (Describes methodology for determining energy performance improvement and tools or software used. Indicates the timeframe for the baseline, performance, and reporting periods. Explains factors used to normalize data including		up to 10



# ENERGY MANAGEMENT LEADERSHIP AWARDS

## SELECTION PROCESS

Selection of award winners will entail a juried process with a panel of energy management system experts from diverse countries.

### Case study submissions

Submissions from around the world

**Deadline:**  
**24 January 2018**

### 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

### 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 ; and announce national awards

Insight Awards All organizations submitting quality case studies receive this award, earned for sharing ISO 50001 insights and results



# CLEAN ENERGY MINISTERIAL ENERGY MANAGEMENT WORKING GROUP (EMWG)

Visit the awards website to view:

- Award winning case studies
- Complete program details for the 2018 awards competition

[www.cleanenergyministerial.org/EMAwards](http://www.cleanenergyministerial.org/EMAwards)

CEM Energy Management Working Group

[www.cleanenergyministerial.org/EnergyManagement](http://www.cleanenergyministerial.org/EnergyManagement)

EMWG's Energy Management Campaign

Driving action to reach 50,001 global certifications to ISO 50001 by 2020

[www.driveto50001.org](http://www.driveto50001.org)