



INSPIRE

International Symposium to
Promote Innovation & Research in
Energy Efficiency 2017

INSPIRE 2017 is India's signature, first time ever, Energy Efficiency event, bringing together various policy makers, innovators, financiers, influencers and stakeholders to showcase best practices in transformative policies, large scale implementation, financing models and high-impact research initiatives from India and across the globe.

INSPIRE 2017 is an International Conference Showcasing Innovation and Implementation of Best Practices in Energy Efficiency Technologies, Policies and Financing. This flagship conference for the energy efficiency community offers a platform where discussions on energy efficiency policies, market transformation strategies, emerging technologies, delivery and business-model driven transformations can occur within an analytical framework facilitated by professional papers and thought-provoking dialogue. The 5-day confluence of global and national thought-leaders and implementers is designed to expand perspectives on energy efficiency and spur ideas and solutions that will help leverage the full potential of energy efficiency and bring its multiple co-benefits to the fore.

the genesis

India is one of the world's fastest growing major economies on the cusp of rapid urbanisation. Like other emerging economies, the pace and scale of urbanisation in India poses significant concerns around the increase in energy demand and the environmental impacts. Energy Efficiency has gained position as a critical part of the solution for meeting India's rapidly increasing energy needs, for addressing the energy security challenges, and for fulfilling India's global climate change commitments through Nationally Determined Contribution targets under the Paris Accord.

Public sector organisations such as the Energy Efficiency Services Limited of India (EESL), Bureau of Energy Efficiency (BEE), along with think tanks such as Alliance for an Energy Efficient Economy (AEEE), The Energy and Resources Institute (TERI) and other public and private sector stakeholders, supported by bilateral and multi-lateral development partners, have been proactively driving the diverse agenda to scale up the energy efficiency market transformation in India.

Against this backdrop, EESL, AEEE and the World Bank, along with several other supporting organisations - Bureau of Energy Efficiency (BEE), The Energy and Resources Institute (TERI), Department of Science and Technology (DST), and the MacArthur Foundation - present the **"International Symposium to Promote Innovation & Research in Energy Efficiency 2017 (INSPIRE-2017)"**.



the programme

The 5-day information rich programme of INSPIRE 2017 is designed along a framework of 'energy efficiency today, tomorrow, and beyond'. It examines the best practices and successes of today, within the context of emerging trends and technologies of tomorrow, to scale up and leverage the energy and non-energy benefits of energy efficiency well into the future years.

DAYS 1&2

Focus on the mega-trends in energy efficiency and the international experiences. The significance of INSPIRE 2017 and its impact across sectors is underscored by the fact that the Power Minister of India and the Chief Minister of Rajasthan are expected to address the delegates. A keystone Plenary session by Dr. Amory Lovins, world renowned energy scientist and co-founder of the Rocky Mountain Institute, sets the context for the 5-day conference by examining the role of energy efficiency in the evolving energy landscape. The various discussions highlight present-day energy efficiency policy developments across the globe viewed from an implementation perspective. Best implementation practices and financing and delivery models both in India and globally are shared, discussing their scalability and broader applicability in order to advance energy efficiency around the world in a meaningful way. Through varied discussion formats, Day 1 and Day 2 will also explore macro-level facets of energy efficiency in the context of game-changing technologies, emerging trends such as energy storage and increasing DER penetration, and creative financing and business models. Conference attendees will have an opportunity to participate in an (optional) field visit to one of the largest LED street lighting projects in India in the city of Jaipur, implemented by EESL.

DAYS 3,4&5

Building upon the discussions of the first two days, Days 3, 4 and 5 offer a deep-dive into specific topics, and bring an additional layer of forward-looking perspectives. Anchored around 65 peer-reviewed papers, selected through a rigorous screening process, the discussions and presentations are organised under three broad themes: Buildings, Systems and Technologies; Business, Industry and Finance; and Policy, Codes and Standards. The presentations include: strategies to advance energy efficiency in the building, industry and transportation sectors; ideas for market transformation through effective policies and innovative business and financing models; technology highlights; and positioning energy efficiency within the context of future trends to maximise its long-term benefits. Days 3 to 5 further underscore the relevance of energy efficiency as an important lever in supporting energy reliability and security, resilience, and mitigating climate change impacts.

Set in the majestic city of Jaipur, INSPIRE 2017 is a treat not just for the mind, but also for the senses, offering a glimpse of India's rich heritage and culture in the best possible weather! Jaipur, the capital of Rajasthan state enjoys a pleasant 24°C in November. The city evokes an ambience of royalty and Indian history, and is also called the "Pink City" for its trademark building colour. Jaipur is a visual treat with its glorious stucco buildings, beautiful palaces, forts, and lakes, as well as its colourful markets and world-renowned handlooms.

the participants

A diverse mix of participants gives INSPIRE 2017 its unique character, enabling a meaningful synergy of research, technology, policy and implementation. Some of the key attendees invited to participate are:

- Ministry of Environment, Forest and Climate Change (MoEF&CC), State Designated Agencies (SDAs), Electricity Regulatory Commissions (IRC), Central Electricity Authority (CEA), Electricity Distribution Companies
- Officials from energy efficiency agencies around the world – Malaysia, Myanmar, Sri Lanka, Maldives, Saudi Arabia, Bangladesh, Thailand, Vietnam, Indonesia, China UK, USA, etc.
- Think Tanks and energy efficiency organisations from across the globe – AEEE, American Council for an Energy Efficient Economy (ACEEE), TERI, International Energy Agency, Rocky Mountain Institute, CLASP, Alliance to Save Energy, Natural Resources Defence Council and World Resources Institute
- Indian and International Academic & Research Institutions - SAARC Energy Centre, Indian Institute of Technology (IIT), Central Power Research Institute (CPRI), National Power Training Institute (NPTI), TERI, CEPT, LBNL, University College London, Oxford University, etc.
- Multilateral Development Financing Institutions, Bilateral Development Agencies and Foundations - World Bank, Asian Development Bank, UN Agencies (UNDP, UNIDO, UNEP), International Finance Corporation, GIZ, KfW, USAID, European Union, Swiss Development Corporation, Shakti Foundation, etc.
- Indian domestic banks - Small Industries Development Bank of India, YES Bank
- Private Sector Technology Companies – Schneider Electric, Grundfos, Siemens, UTC-Carrier, Danfoss, Saint-Gobain, etc.
- End-use customers from the government, buildings and industrial sector – Ministry of Urban Development (MoUD), Central Public Works Department (CPWD), Mahindras, Godrej, Tata Realty, Bharat Heavy Electricals Limited (BHEL), National Thermal Power Corporation (NTPC), Tata Steel etc.

why attend

INSPIRE will create a unique platform for learning and collaboration by bringing together on one platform, key policy-makers, thought leaders, researchers, leading energy-efficiency companies, government agencies, business leaders and stakeholders from diverse sectors in India and abroad. Important ways in which INSPIRE 2017 will benefit the interests of energy efficiency are:

- **Highlighting successes to advance market momentum in India:** The event will enable participants to present to a curated audience primarily India-relevant work having potential for large energy savings and resource efficiency and the synergies with similar experiences in other countries. INSPIRE 2017 will also provide a platform to share India's successful energy efficiency initiatives that the world is aiming to replicate - such as EESL's UJALA, BEE's PAT and ECBC. In addition, Infosys and Schneider Electric's enterprise-wide energy management practices, and technology companies demonstrating BAT – thus increasing market momentum for energy efficiency will be covered.
- **Constructive networking leading to global partnerships:** The coming together of key players, as papers are being presented, at the plenary and panel sessions, and at post-session networking holds tremendous potential for new collaborations and public private partnerships globally.
- **Aligning interest of market influencers to spur action:** INSPIRE 2017 will galvanise meaningful action to advance energy efficiency by connecting divergent stakeholders from India and abroad, such as the government, financiers and private industry, and facilitating constructive dialogue to align interests.
- **Germination of new ideas:** Thought provoking panel sessions focusing on policy, and business and industry will facilitate dialogue on diverse topics, resulting in information sharing and the germination of many new ideas.
- **Pushing the envelope of energy efficiency:** By showcasing global best practices of energy efficiency implementation, underscoring the co-benefits of energy efficiency, the discussions will help reinforce the broader significance of energy efficiency for societal and environmental good, thus catalysing a wider set of stakeholders to collaborate on inter-related and integrated solutions.

FOR FURTHER INFORMATION

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