IEW INDIA ENERGY WEEK 2027

UNDER THE PATRONAGE OF

पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय
MINISTRY OF PETROLEUM AND NATURAL GAS

ORGANISED BY

FIPI
Federation of Indian Petroleum Industry

INDIA ENERGY WEEK 2027

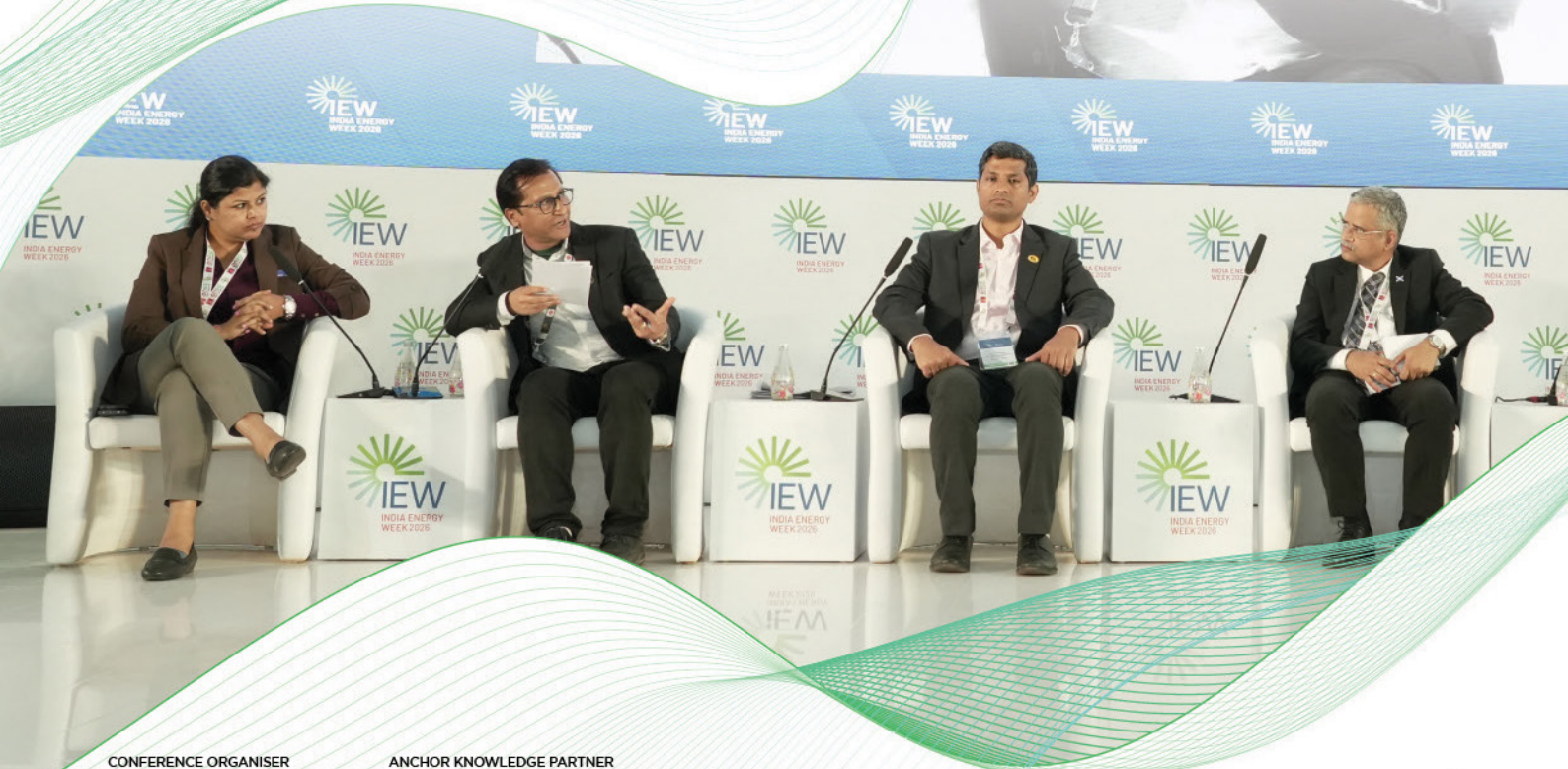
28-31 JANUARY 2027 | New Town Convention Centre, Kolkata, India

UNLOCKING INNOVATION. SECURING ENERGY. SHAPING TOMORROW.

Technical Conference
CALL FOR PAPERS

Your Research. The Global Stage

ABSTRACT SUBMISSION DEADLINE:
31 OCTOBER 2026



CONFERENCE ORGANISER

informa markets

ANCHOR KNOWLEDGE PARTNER

BAIN & COMPANY

mc2
Multiply. Collaborate. Create.

INTRODUCTION

The Indian Energy Week 2027 Technical Conference invites researchers, academicians, engineers and technology specialists to present their work at one of the world's leading energy conference. Presentations span original research, applied case studies and field-proven applications and technologies across the entire energy value chain.

Curated by a distinguished Technical Committee, the conference will feature research and technologies selected through a rigorous abstract review process. Spanning four days across dedicated stages, the conference will examine emerging solutions, their real-world commercial application and their impact on efficiency, security and sustainability across 20 categories, organised under the three pillars of 2027 theme: Unlocking Innovation. Securing Energy. Shaping Tomorrow The Technical Conference brings together the leading voices in energy, from senior technologists and industry leaders to investors and policymakers, which gives presenting authors and speakers a direct audience with people shaping the global energy agenda.

WHY SUBMIT AN ABSTRACT

Present to a Global Audience

Present research, technological advances and best practice to an international audience of industry professionals, decision makers and energy leaders. Presenting authors are featured through pre-event, onsite and post-event marketing

Strengthen your Organisation's Visibility

Presenting a paper establishes your organisation as a technical authority before an engaged, specialist audience, and raises its visibility with the stakeholders that matter across the energy sector

Gain Industry Recognition

Put your ideas before the leading voices of the industry and receive their feedback. Every abstract is assessed through a two-stage review by the Technical Committee

Network with Industry Leaders

As a technical speaker, you gain direct access to project owners, investors and decision makers from across the energy value chain, opening the door to pilots, partnerships and future collaboration.

TECHNICAL CONFERENCE CATEGORIES

Each abstract should be submitted under the category that best fits its subject. For full subcategory listing, refer to Page 8-17.

Category 1 AI, Digital Transformation and Cyber Security	**Category 2** Advanced Materials for Energy Systems	**Category 3** Robotics and Equipment
Category 4 Hydrogen Production, Development and End Use	**Category 5** Decarbonization	**Category 6** Energy Storage and Battery Technologies
Category 7 Exploration, Drilling and Production	**Category 8** Natural Gas, LNG & City Gas Distribution	**Category 9** Refining and Petrochemicals
Category 10 Biofuels, SAF and Synthetic Fuels	**Category 11** Health, Safety, Security and Environment	**Category 12** Operational Excellence and Project Delivery
Category 13 Capital Projects Execution	**Category 14** Logistics, Storage and Infrastructure	**Category 15** Energy Transition
Category 16 Energy Markets, Trading and Carbon Finance	**Category 17** Future Mobility	**Category 18** Recycling and Circular Economy
Category 19 Climate Tech, Renewables and Nuclear	**Category 20** Clean Cooking	

CALL FOR PAPERS GUIDELINES

All technical abstracts submitted will be reviewed by the India Energy Week 2027 Technical Committee. Early submission gives the Committee adequate time to review each abstract.

ABSTRACT SUBMISSION

- Abstracts should be up to 500 words and written in English. Submissions in any other language will not be accepted
- Supplementary material such as illustrations, graphs or tables may be included as attachments (maximum 2 attachments, of 2MB each)
- If an abstract could fit more than one category, select the single best fit. Do not submit the same abstract more than once.
- One author may submit multiple abstracts, within the same category or across categories, but the same or a slightly modified abstract must not be submitted more than once
- Wherever applicable, authors submitting on behalf of an organisation must obtain the necessary internal or management clearance before submission. Any clearance issues should be noted at the time of submission.
- Abstracts presented at other conferences are eligible, provided the date and location of the earlier presentation are disclosed. Abstracts submitted to a previous edition of India Energy Week should not be submitted again

GRADING CRITERIA

Abstracts are evaluated by the Technical Committee against four criteria:

1. **Quality:** the accuracy and technical relevance of the data and information presented
2. **Impact:** the demonstrated effect of the work on the industry or organisation, supported by results or case studies
3. **Novelty:** the degree of innovation and originality, including new knowledge, technical results or field experience
4. **Interest and relevance:** how closely the submission speaks to the current state of the energy industry and the India Energy Week audience

ABSTRACT CONTENT

Each abstract should give the Technical Committee enough information to assess it against four elements:

1. **Description:** the scope and nature of the work, including background, rationale, data and technologies used
2. **Applications:** the possible application of the work presented
3. **Results and conclusions:** a summary of results and key conclusions, and how they differ from prior work on the same subject
4. **Technical contribution:** the significance of the work to the technical knowledge base of the energy sector

GUIDELINES FOR ACCEPTED ABSTRACTS

- Authors are notified of acceptance by email.
- Shortlisted authors will be asked to provide details on their abstract.
- Shortlisted authors will be required to submit a full technical paper and a presentation for the Technical Conference
- Presenters to receive complimentary access to the Technical Conference. Co-authors who wish to attend must purchase a pass
- The organiser does not cover travel or accommodation for authors attending or presenting
- In the event that confirmed presenters are unable to present at the conference, they must nominate a substitute to present the abstract. An advance intimation in this regard will be appreciated.
- Acceptance of full paper and presentation is not a confirmation of participation in the main conference. The paper selected for presentation shall be intimated seperately.

IMPORTANT DATES

Saturday, 31 October 2026

ABSTRACT SUBMISSION DEADLINE

Sunday, 15 November 2026

ANNOUNCEMENT OF SHORTLISTED ABSTRACTS

Monday, 30 November 2026

FULL PAPER AND PRESENTATION SUBMISSION

Thursday, 28 January 2027

INDIA ENERGY WEEK 2027 OPENS

Note: All dates are indicative and subject to change at the discretion of the organisers. Any revisions will be communicated to registered authors and published on www.indiaenergyweek.com

COMMERCIALISM

Your abstract must refrain from using commercial language in the title, content, or slides. The inclusion of such terminology will lead to careful scrutiny by the Technical Committee and may result in disqualification

TECHNICAL CATEGORIES: COMPLETE LIST

AI, DIGITAL TRANSFORMATION AND CYBER SECURITY

- Advanced Analytics Applications
- AI for Energy Transition, Decarbonisation, Hydrogen and Geothermal
- AI-Powered Predictive Maintenance and Process Optimisation
- Autonomous and Remote Operations for Safety and Efficiency
- Big Data, AI and Advanced Analytics for Operational Decision-Making
- Digital Twins and Quantum Computing
- Cloud Computing, IoT and Hybrid Digital Infrastructure
- Cybersecurity, IT/OT Convergence and Zero-Trust Frameworks
- Digital Transformation in Project Planning and Execution
- Edge Computing for Real-Time Analytics and Data Processing
- Industrial Metaverse and IIoT-Enabled Smart Factories
- IT/OT Integration Methods

ADVANCED MATERIALS FOR ENERGY SYSTEMS

- Catalyst Development and Process Intensification
- Membranes and Sorbents for Gas Separation
- Corrosion, Coatings and Material Durability
- Advanced Alloys and High-Temperature Materials
- Nanomaterials and Nanotechnology for Energy Applications
- Lightweight, Composite and Functional Materials
- Materials for Extreme and Corrosive Environments
- Electrode, Electrolyte and Membrane Materials
- Surface Engineering and Protective Coatings
- Sustainable, Bio-Based and Recyclable Materials

ABSTRACT SUBMISSION DEADLINE
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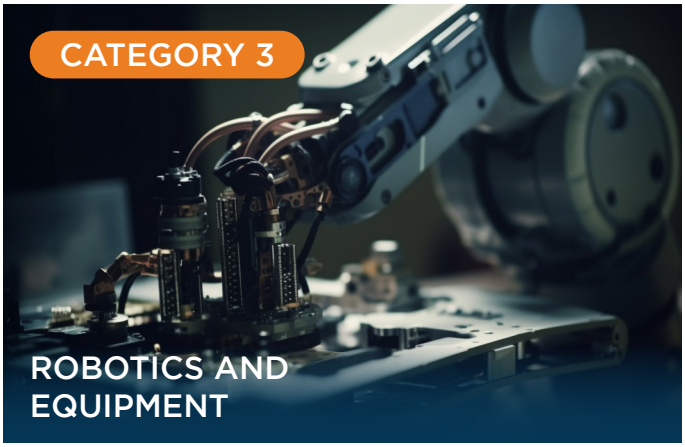

- 3D Printing and Additive Manufacturing
- Robotics and Drones for Inspection and Maintenance
- Sensors, Instrumentation and Monitoring Equipment
- Autonomous and Remotely Operated Vehicles
- Nanomanufacturing and Nanotechnology
- Machine Vision and Imaging Systems
- Advanced Rotating and Static Equipment
- Wearable and Field-Deployed Devices
- Automation and Advanced Process Control
- Equipment Reliability and Condition Monitoring

- Blue Hydrogen: Production, Development and End Use
- Electrolysis and Next-Generation Electrolyser Technologies
- Financing Hydrogen Projects
- Green Hydrogen: Production, Development and End Use
- Green Ammonia and Methanol
- Hydrogen and Fuel Cells as an Energy Storage Medium
- Hydrogen Blending in Natural Gas Networks
- Hydrogen Infrastructure
- Hydrogen Production: Renewable Sources, Natural Gas to Hydrogen
- Hydrogen Transportation, Pipelines, Storage and Distribution
- Hydrogen's Role in Decarbonising Hard-to-Abate Sectors
- Import and Export Strategies
- Liquid Hydrogen
- Natural (Geological) Hydrogen Exploration Technologies
- Strategies to Scale Up Hydrogen Production and Usage
- Technology for Hydrogen Storage and LOHC
- Waste to Hydrogen and Waste to Value

ABSTRACT SUBMISSION DEADLINE
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- Advanced CCUS Technological Developments
- Carbon Capture and Storage Pathways
- Carbon Markets and Carbon Credits
- Capture Integration and Cost Optimization
- CO2 Emissions Reduction in Hydrocarbons Exploration, Production and Operations
- CCUS Economic Assessment and Business Models
- Circular Carbon Economy
- Decarbonisation of hard to abate sectors - Concrete, Steel and Cement
- Economic Assessment and Business Models
- Electrification of Industrial Processes
- Maritime Decarbonisation
- Methane Emissions, Monitoring and Reduction

- Battery Diagnostics, Second Life and Recycling
- Battery Management Systems and Controls
- Battery Manufacturing, Supply Chain and Localisation
- Battery Safety and Performance Engineering
- Duration Longevity and Storage-Scale Improvements
- Flow Batteries and Novel Storage Systems
- Grid-Scale and Long Duration Energy Storage
- Storage Economics and Business Models
- Storage Integration with Renewables and Grids
- Thermal, Mechanical and Gravity-Based Storage

ABSTRACT SUBMISSION DEADLINE
Saturday, 31 October 2026

- Catalysts and Specialty Chemicals
- Drilling and Completion
- Enhanced Oil Recovery
- Exploration, Appraisal and De-Risking Strategy
- Geological and Geophysical Characterisation
- Innovations in Field Development
- Offshore Commissioning, De-commissioning and Services
- Policy Reforms to Boost Oil and Gas Exploration
- Reservoir Modeling and Management
- Shallow, Deepwater and Ultra-Deepwater Exploration and Drilling
- Subsea Engineering, Platforms and Floating Production

- City Gas Distribution and Network Optimisation
- Gas Processing, Treatment and Quality
- Gas Sweetening and Dehydration
- Gas-to-Market Strategies and Pathways
- LNG as Fuel: Land and Shipping Transportation
- LNG Terminals
- Metering Accuracy and Loss-Reduction Measures
- Operations and Maintenance
- Pipeline Infrastructure
- Policy Reform, Pipeline Transportation Authorisation and Tariff
- Storage and Supply Chain

ABSTRACT SUBMISSION DEADLINE
Saturday, 31 October 2026

- Advanced Materials and Innovation
- Circular Economy and Resource Efficiency
- Cost Management and Successful Business Models
- Crude Flexibility and Feedstock Maximisation
- Emission Reduction and Recycling
- Optimising Efficiencies and Heat Integration
- Refining Decarbonisation and Energy Efficiency
- Refinery Reliability, Maintenance and Inspection
- Refining and Petrochemical Integration, Supply Chain Management and Feedstock Maximisation
- Refining Technology and Processing
- Polymer and Speciality Chemical Technology

- Bio-CNG and Compressed Biogas
- Biodiesel Production
- Biofuels Technology Innovations: BECCU
- Biofuels: Feedstock, Production and End Use
- Biorefineries
- Economic Sustainability Solutions for Alternative Fuels and Biofuel Production
- Ethanol
- Methanol
- Sustainable Aviation Fuel
- Waste to Energy

ABSTRACT SUBMISSION DEADLINE
Saturday, 31 October 2026

- Accident Prevention and Lessons Learnt
- Assets and Infrastructure Integrity
- Barriers, Controls and Risk Management
- Emergency Response and Risk Mitigation
- Human Factors in HSE Performance
- Integrating Technologies and Innovation to Improve HSE
- Process Safety Management
- Social Impact Analysis and Mitigation Planning
- UAVs for Monitoring

- Agile Project Management
- Asset Integrity
- Asset Maintenance Strategies
- Benchmarking Performance
- Capacity Expansion Initiatives
- Cost Optimisation
- Integrated Project Delivery
- Operational Excellence and Maintenance 4.0
- People Development, Leadership, Skills and Training
- Quality Management
- Risk Assessment and Management

ABSTRACT SUBMISSION DEADLINE
Saturday, 31 October 2026

- Capacity Expansion Initiatives
- Capital Project Delivery and Schedule Control
- Commissioning and Start-Up
- Contracting and Procurement Strategy
- Construction Management and Field Execution
- Cost Engineering and Capital Efficiency
- Digital Tools for Project Delivery
- Modularisation, Standardisation and Advanced Construction
- Project Planning, Scheduling and Controls
- Project Risk, Controls and Governance

- Design and Optimisation of Storage Terminals
- Electrification of Ports and Vessels
- Hydrogen Derivatives Handling and Transport
- Investment and Cost Optimisation
- Marine/Terminal Interface
- Strategic reserves - Oil and Gas Storage, Tanks and Tankers
- Pipeline Infrastructure and Best Practice in Infrastructure Management
- Preventive Maintenance and Smart Pipelines
- Risk-Based Inspection of Pipelines and Terminals
- Safety Models for Marine Loading and Port Operations
- Transportation, Flow Assurance and Pipeline Technology

ABSTRACT SUBMISSION DEADLINE
Saturday, 31 October 2026

- Circular Mining Economy
- Clean Energy Business Models
- Climate Commitments, Policies and Legislative Support
- Critical Minerals Strategy and Supply Chain
- Electrification of Industrial Processes
- Emissions Monitoring, Accounting and Reporting
- Energy Efficiency and Sustainability
- Energy Trilemma: Security, Sustainability and Affordability
- Grid Modernisation
- International Energy Market and Policies
- Net Zero Vision, Mission and Roadmap

- Carbon Markets and Trading
- Carbon Credits and Offset Integrity
- Clean Energy Investments and Investment Strategies
- Energy Trading and Banking
- ESG Integration and Disclosure
- Green Bonds, Climate and Sustainable Finance
- Insurance and Risk Transfer for Energy Assets
- Market Design, Regulation and Price Analytics
- Mergers, Acquisitions and Risk Management
- Power and Commodity Trading
- Project Finance and Investment Models

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Saturday, 31 October 2026

- Battery and Energy Storage
- Charging Infrastructure
- Electrification of Public Transport
- EV-Charging Infrastructure and Last Mile Connectivity
- Hydrogen Fuel and EV Innovation
- Intelligent Transportation Systems
- Last-Mile Connectivity
- Next-Generation Transportation
- Road Infrastructure
- Shared and On-Demand Mobility
- Smart Mobility Innovation

- Air Pollution and Wastewater Management
- Circular Economy Initiatives and Practices
- Land Remediation and Ecosystem Restoration
- Materials Recovery and Reuse
- Product Life-Cycle and Design for Circularity
- Resource Efficiency and Industrial Symbiosis
- Water Management, Treatment, Reuse and Conservation

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Saturday, 31 October 2026

- Solar: Electricity Generation, Grid Integration, Operations and Technology Advancements
- Advanced Solar PV Technologies (PV, OPV, CPV and BIPV)
- Wind: Electricity Generation, Grid Integration, Operations and Technology Advancements
- Offshore Wind and Emerging Renewables
- Hydropower Development
- Thermal and Geothermal Power Generation
- Small Modular Reactors and Advanced Nuclear
- Round-the-Clock and Firm Renewable Power
- Renewable Energy Capacity and Expansion
- Smart Grids: Distribution Management, Grid Balancing and Load Management Flexibility
- Demand-Side Management Strategies and Customer Engagement

- Behavioural and cultural challenges in adopting clean cooking technologies
- Biomass to Biogas
- Quantifying emission reductions from clean cooking projects
- Challenges and opportunities in integrating clean cooking with carbon trading
- Electric and Biogas-Based Cooking
- Life cycle assessment of clean cooking fuels
- Microfinance and clean cooking
- Solar cooking solutions: Harnessing renewable energy for clean cooking
- Policy and economic incentives for promoting clean cooking
- Technological Innovations

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SUBMIT YOUR ABSTRACTS

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#IndiaEnergyWeek

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