



# CONFERENCE ON GAS-BASED ECONOMY

Shaping a Gas-powered Future

19<sup>th</sup> October 2023 | 9.30 am- 5 pm | Taj Mahal Hotel, Man Singh Road, New Delhi



## EXECUTIVE SUMMARY

The gas-based economy is gaining significant attention globally as countries seek to transition towards more sustainable and cleaner energy sources. To explore the opportunities and challenges associated with this transition, PHDCCI is organizing a conference on the Gas-Based Economy - Shaping a Gas-powered Future. The conference aims to bring together industry leaders, policymakers, researchers, and experts from various sectors to share knowledge, insights, and best practices.

The objective of the conference is to foster discussions and collaborations that can accelerate the development and adoption of gas-based solutions across different sectors. By focusing on opportunities and challenges, we aim to provide a comprehensive understanding of the potential benefits, as well as the obstacles that need to be addressed for the successful implementation of a gas-based economy. The conference will feature keynote speeches, panel discussions, technical sessions, and networking opportunities to facilitate meaningful interactions and collaborations among participants.

## OBJECTIVES

- Identify and address the opportunities and challenges associated with a gas-based economy w.r.t. environmental impact, infrastructure requirements, regulatory frameworks, and market dynamics while transitioning to a gas-based energy system.
- Platform for experts, researchers, industry professionals, policymakers, and stakeholders to exchange knowledge, share experiences, and discuss best practices related to a gas-based economy.
- Encourages fruitful discussions on technological advancements, policy frameworks, and market trends.
- Explore various opportunities offered by a gas-based economy viz. potential for economic growth, job creation, energy security, and sustainable development through the utilization of gas resources.
- Networking opportunities for delegates to establish connections and foster collaborations.
- Endeavor is to generate policy recommendations and actionable insights that can guide decision-makers in formulating effective policies and strategies related to a gas-based economy.



## DELEGATE PROFILE

- a) Industry representatives from natural gas companies, energy utilities, and technology providers.
- b) Policymakers and regulators involved in energy and environmental policy development.
- c) Researchers, scientists, and R&D professionals specializing in energy, climate change, and sustainability.
- d) Financial institutions and investors interested in sustainable energy projects.
- e) International organizations and development agencies focused on energy transition and decarbonization.
- f) Media professionals covering energy and environmental issues.

## EXPECTED OUTCOMES

- a) Enhanced understanding of the role of Gas Based economy
- b) Identification of practical strategies and technologies for reducing greenhouse gas emissions across the natural gas value chain.
- c) Dissemination of knowledge and best practices through the publication of conference proceedings and policy briefs.
- d) Increased awareness and public engagement on the potential of natural gas as a transitional energy source.
- e) Inspiration for new research initiatives and innovation in the field of sustainable natural gas technologies.
- f) Development of a roadmap or action plan for integrating renewable energy sources with natural gas infrastructure.

## AGENDA

**10 am – 11:30 a.m. - Keynote Session**

### **GAS-TO-POWER ECONOMY: INTEGRATING NATURAL GAS IN THE ENERGY MIX**

*Discussion Agenda:*

- Overview of the Gas Based Economy: Current Status and Future Trends
- Policy and Regulatory Frameworks for Gas-Based Industries
- Expanding Gas Infrastructure: Opportunities and Challenges

**11:30 a.m. – 12:45 p.m. - Technical Session 1**

### **BUILDING AND EXPANDING GAS PIPELINES AND DISTRIBUTION NETWORKS**

*Discussion Agenda:*

- LNG Terminals and Import Infrastructure: Enhancing Energy Security
- Gas Storage Facilities: Technologies and Best Practices
- Gas-Based Power Generation and Electricity Markets

**12:45 p.m. – 1 p.m. - Networking Tea Break**

**1 p.m. – 2 p.m. – Technical Session 2**

### **ROLE OF NATURAL GAS IN THE POWER SECTOR: TRANSITIONING FROM COAL TO GAS**

*Discussion Agenda:*

- Combined Cycle Gas Turbine (CCGT) Power Plants: Efficiency and Flexibility
- Gas-Fired Power Generation and Grid Integration: Challenges and Solutions
- Industrial Applications of Gas: Opportunities and Innovations
- Global LNG Market- Supply and Demand Dynamics
- Cross-Border Gas Trade - Infrastructure and Regulatory Challenges

**2 p.m. – 3 p.m. : Networking Lunch**

**3 pm - 4.15 pm: Technical Session 3**

### **FUELING PROSPERITY: NAVIGATING FINANCE AND ESG IN THE GAS-BASED ECONOMY**

- Financing Strategies for Gas Infrastructure
- Managing financial and operational risks in gas-based projects
- Integrating environmental, social, and governance (ESG) factors into gas project financing
- Regulatory Framework and Sustainability
- Legal and policy issues in gas exploration, production, and transportation
- Regulatory harmonization to facilitate cross-border gas trade

**4.15 pm – 5 pm - B2B MEETINGS**

## GLIMPSES OF THE PAST EVENT



**For participation and Sponsorship details, please contact:**

**PHD CHAMBER OF COMMERCE AND INDUSTRY**

**Dr. Jatinder Singh**, Assistant Secretary General, PHDCCI; [jatinder@phdcci.in](mailto:jatinder@phdcci.in)

**Ms. Bhavana Rai**, Sr. Assisant Secretary, Hydrocarbon Committee, PHDCCI

e-mail: [bhavana.rai@phdcci.in](mailto:bhavana.rai@phdcci.in) | Mob: 9971297620

PHD House, 4/2 Siri Institutional Area, August Kranti Marg, New Delhi - 110 016

Phone: 91-11-49545400 | Fax: 91-11-49545451