



2024

Urja Varta

Collaborate • Innovate • Synergize

Date: 11-12 July 2024

Venue: Bharat Mandapam, New Delhi

Conclave Concept Note

What is UrjaVarta 2024?

As India's energy sector is progressively moving towards the path of energy transition, energy security serves as a backbone for reliable and continual energy access to 140 crores citizens of India. India is successfully navigating the complexities in global energy market by adopting 4-plank energy security strategy based on increasing Exploration and Production efforts, diversifying supplies, usage of alternate energy sources and moving towards green energy to ensure a sustainable future

India's exploration and production sector continues to play a pivotal role in meeting the nation's energy demands and propelling economic growth. With India striving to boost domestic oil and gas production to satisfy its escalating energy requirements and reduce reliance on imports, stakeholders are exploring innovative strategies across exploration, development and production. The goal is to

attract investments, leverage leading practices, and deploy advanced technologies to unlock the vast potential of its hydrocarbon resources, much of which remains still untapped.

Aligned with the goal, Directorate General of Hydrocarbon (DGH) is delighted to host UrjaVarta 2024, a two-day event designed to serve as a strategic forum for industry operators, policymakers, service providers, experts, think tanks, and academia to exchange knowledge, network, and collaborate towards realizing the full potential of India's upstream hydrocarbon resources in a sustainable manner. This two-day event is focused on the themes that are essential for the resilience and growth of the industry, emphasizing the importance of collaborative efforts, policy incentives, technology and digital solutions, emerging business opportunities, and decarbonization.



Thematic areas for the conclave

Theme -1

Collaboration and Partnerships

In a highly interconnected global economy, the resilience of the upstream sector hinges on the ability to collaborate effectively across various domains. This theme will explore strategies that can energize collaboration between industry, policy makers and other relevant stakeholders to drive implementable and scalable innovations. The sessions within the theme will delve into:

- Exploring avenues for the nation to harness its untapped potential to pioneer new frontiers and emerge as a global leader in exploration.
- Emerging trends, innovative financing models, and the role of financial institutions in driving E&P growth.
- Strategies for effective joint operations and resource sharing.



Theme -2

Technology Innovation

Technological innovation is the cornerstone of progress in the E&P domain. This theme will focus on cutting-edge technologies that are transforming E&P operations, enhancing efficiency, and cost optimization. Specific themes for the discussion would include:

- Insights into innovations in exploration technology such as advanced seismic imaging and data interpretation techniques etc.
- Technical advancements in drilling, covering innovative tools, techniques, and methodologies aimed at optimizing drilling operations.
- New-age technologies specifically tailored for increasing productivity of the field.



Theme -3

Digital Transformation of upstream operations

Digital transformation is revolutionizing the upstream oil and gas sector, driving efficiencies, reducing costs and enabling data-driven decision making. With quantum leap in the technology – low-cost sensors, high data connectivity, faster computing and self-learning capabilities, a holistic approach needs to be adopted to reshape the existing business and operating models to ensure a far-reaching transformational impact. This theme will explore emerging digital technologies and their impact in E&P operations including the following:

- Opportunities in leveraging digital technologies to optimize exploration, drilling production.
- Case studies on the implementation of digital technologies such as AI, IoT, and big data analytics in E&P.
- Demonstrations of digital tools and platforms from startups, academia and industry experts for enhancing operational efficiency.



Theme -4

Policy and Regulatory incentives

Regulatory frameworks and policy interventions are critical in shaping the business landscape of the upstream sector. The session will explore how the sector is evolving with the current policy framework and explore incentives that can attract investments, drive innovation and enhance ease of doing business in the sector. In particular, it will discuss:

- Policy gaps and recommendations for enhancing E&P outputs.
- International policy and regulatory frameworks and its relevance in Indian context.
- Steps required by the government to improve ease of doing business especially in the statutory approval process.
- Role of regulators to encourage E&P industry collaboration to drive resources, technology and infrastructure sharing



Theme -5

Decarbonizing the Upstream Operations

Considering the global trend of moving towards greener fuels in line with the aim of reducing carbon emissions, there is a requirement to greening E&P operations which is crucial for reducing the environmental impact of the upstream sector. This theme will focus on strategies and technologies aimed at minimizing carbon footprints and promoting green practices. In particular, it will discuss:

- Approaches for aligning business strategies with decarbonization goals
- Case studies on successful implementation of sustainable practices in E&P operations
- Role of government institutions in enabling decarbonization including carbon credits, CCUS/CCS, green hydrogen, geothermal etc.
- Global leading E&P practices ensuring reduction of carbon emissions.



Theme -6

Emerging Investment Opportunities in the Upstream Sector

As the upstream sector evolves, new business opportunities are emerging, driven by market dynamics, technology and digital innovations, and policy shifts. This theme will explore these opportunities, providing insights into investment prospects, market trends, and strategic growth areas. The sessions within the theme will delve into:

- Promising prospects for investment in the E&P sector and policy reforms that enhance ease of doing business.
- Case studies of innovative business models that are succeeding in the upstream sector.
- Insights into attracting and managing investments in the upstream sector.



What to expect?



Strategic Summit

Featuring critical dialogues including high-level panels, leadership presentations, and spotlight sessions, hosting 40+ speakers focusing on key strategic priorities and exploring the key role that upstream oil & gas sector in India will play in shaping the future of energy.



Technical Conference

Offering invaluable technical expertise across 10 breakaway sessions on latest innovations, industry leading practices and technology advancements that enhance Oil & Gas exploration, drilling and production efficiency.



Exhibition Zone

Dedicated platform for both domestic and international energy businesses to network, showcase their products and services, and explore new opportunities in the energy sector.



Executive Lounge

Exclusive arena for government officials, business leaders and industry experts, fostering productive connections.



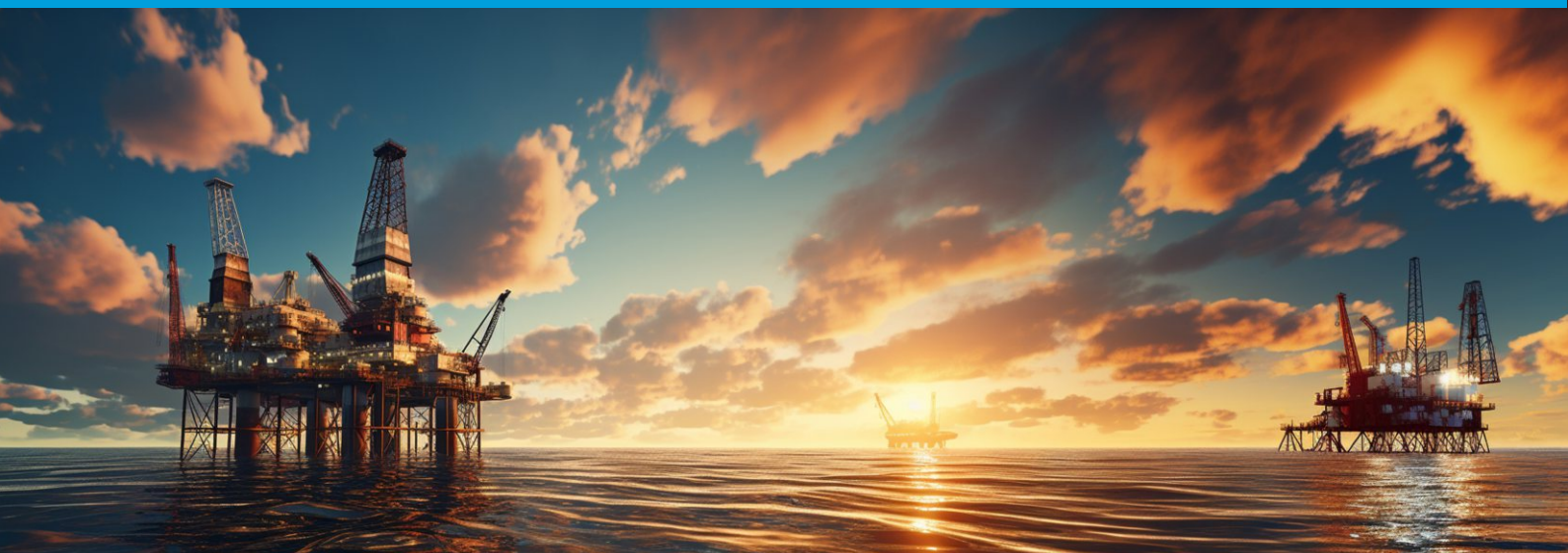
Innovation Gallery

Demonstration of new-age solutions in upstream sector by start-up, academia and inventors.



Meet and Greet Zone

Dedicated pavilion and meeting rooms for networking and engaging stakeholders across energy sector.





Directorate General of Hydrocarbons

Tel No: 0120-247-2187

Mob No: +91 7710091249

Email: facilitation@dghindia.gov.in

Privacy | Legal
All rights reserved

This document is for e-communication only

