



WORLD BIOGAS
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INDIA
CONGRESS 2025

3-4 DECEMBER 2025 | INDIA HABITAT CENTRE | NEW DELHI | INDIA

TECHNICAL TRACK – GULMOHAR HALL

Sustainable Fuels • Smart Systems • Global Standards

India aims to position its biogas sector as a global leader through innovation, digitalisation, and the adoption of best international practices, standards, and certifications. Sustainable Fuels lead the clean energy transition with the primary focus on biogases, including Biomethane, rDME, BioLPG, and hydrogen. Smart Systems improve efficiency and traceability using AI, GIS, and blockchain. Global Standards align projects with international certifications, fostering transparency and competitiveness. Together, these pillars enable sustainable, technology-driven growth of the biogas industry, encompassing the entire supply chain for concrete social, economic, and environmental benefits.

Day 1 – Wednesday, 3 December 2025

Day Theme: Sustainable Fuels Pathways: Standards, Certification, and Technology Innovation for Scale:

Time	Session Details
08:00 – 09:00	Registration & Networking
09:00 – 10:00	Inaugural Plenary Session (Common – Jacaranda Hall)
10:00 – 10:30	Coffee Break & Networking
10:30 – 13:00	Implementing Global Policies and Regulatory Frameworks to unlock Biogas potential in India Workshop 1 #MBH: Global Biogas Regulatory Framework (GBRF) Session Theme: A global framework that encompasses all the policies, regulations, and standards necessary to consolidate a high-performance biogas sector at the national level. Focus & Objectives: Introduce the nine pillars from the MBH project that will provide delegates an understanding of a



Time	Session Details
	range of key deliverables under the GBRF and highlight the needs of its implementation with a suitable and cohesive action plan.
13:00 – 14:00	Lunch & Networking
14:00 – 15:00 Technical Panel 1: Fuels of the Future	Sustainable Fuels of the Future – Biomethane, rDME, BioLPG & Hydrogen Session Theme: Emerging fuels such as Biomethane, rDME, BioLPG, and hydrogen co-production and pathways through hybrid biogas plants. Focus & Objectives: Introducing next-gen technologies to diversify India's biofuel portfolio and support clean energy transitions. Integration of innovative technologies for multiple clean energy outputs.
15:00 – 16:00 Technical Panel 2: Social and Economic Impacts	Social and Economic Impacts of Biogas Industry Session Theme: Biogas Industry empowering women, creating jobs, clean cooking opportunities, and improving resilience of communities Focus & Objectives: Identifying opportunities to empower women as entrepreneurs, skilled work force, and beneficiaries in the biogas ecosystem, creating employment opportunities through supply chain, clean cooking options, and sustainable waste management practices for adoption by communities
16:00 – 16:30	Coffee Break & Networking
16:30 – 17:30 Technical Panel 3: R & D, Innovation, and Sustainability through Public - Private Partnerships	Accelerating Research & Development, Innovation, and Sustainability through Public-Private Partnerships Session Theme: Accelerating collaborative R & D centres, innovative technologies developers, supply chain, off takers, additives, and service providers Focus & Objectives: Identifying and closing innovation gaps to fast-track technology localisation, scaling, promoting sustainability, and public private partnerships for accelerating R & D.



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Day 2 – Thursday, 4 December 2025

Day Theme: Technology, Decarbonisation & Next-Gen Biogas Systems

Time	Session Details
09:00 – 09:30	Welcome & Keynote Address (Common – Jacaranda Hall)
09:30 – 10:30 Technical Panel 4: Decarbonizing Hard-to-Abate Industrial Sectors	Biomethane for decarbonizing Hard-to-Abate Industrial Sectors Session Theme: Biomethane adoption in steel, cement, chemical, and refining sectors. Focus & Objectives: Driving deep decarbonization through biomethane production, supply and integration in heavy industries and supply chains.
10:30 – 11:00	Coffee Break & Networking
11:00 – 13:00 Workshop 2 #MBH: International Anaerobic Digestion Certification Scheme	AD Certification Scheme to enhance performance, standards, and operations of the Biogas Plants Session Theme: How will AD certification scheme and standards enhance the performance and operations of biogas plants and increase their financial viability. Focus & Objectives: Introduction to the global standards and how to implement it. Understand the AD certification scheme specifically for the biogas sector, independently audited, to improve operator health and safety and the plant's environmental and operational performance. ADCS International covers 11 modules that will secure the success of your unit.
13:00 – 14:00	Lunch & Networking
14:00 – 15:00	Feedstock Management: AI and Supply Chain Tools



Time	Session Details
Technical Panel 5: Feedstock Management	Session Theme: Understand feedstock pretreatment, aggregation, supply chain, long term agreements, and use of smart techniques to ensure sustainable supply. Focus & Objectives: Policies and AI tools to collect, manage, and leverage feedstocks to ensure reliable and sustainable operations. Follow supply chain for traceability, AI technology, automation and innovation equipment to secure assured supply of feedstock
15:00 – 16:00 Technical Panel 6: Digestate Valorisation and Biotechnology	Digestate Valorization and Biotechnology Session Theme: Digestate production cycle, microbial engineering, and nutrient recovery technologies. Focus & Objectives: Turning digestate into value-added products, ensuring standards, and improving soil health and agri-production
16:00 – 17:00	Coffee Break, Break away Meetings & Networking -have tea/coffee and continue our discussions Investor-Developer Matchmaking Room Session Theme: Structured pitching to DFIs and private investors. Focus & Objectives: Connecting projects with financing to accelerate deployment
17:00 – 17:30	Closing Plenary Session (<i>Common – Jacaranda Hall</i>)