WORLD
CARBON CAPTURE
& CLIMATE SUMMIT
2025

9
MAY 2025

Hotel Pride Plaza, Aerocity,
New Delhi, India

POST SHOW REPORT

Carbon Tech:
Redefining the Future of Sustainability

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CONTENT

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CARBON TECH | Redefining the Future of Sustainability

ADVISORY COMMITTEE & CONFERENCE CHAIR

Rohit Kumar

Secretary General
Carbon Markets Association of India

Carbon Capture & Storage (CCS) is no longer optional — it is essential for India to meet its Net Zero targets. As we move toward a low-carbon economy, CCS offers a critical pathway to decarbonize hard-to-abate sectors like steel, cement and energy.

CMAI & WCCS 2025 is committed to building a robust policy, investment, and technology roadmap to scale CCS solutions across the country. Let us work together to make CCS viable, bankable and impactful — for industry, for the environment and for future generations.

200+ DELEGATES

30+ SPEAKERS

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10+ MEDIA

WCCS 2025 *OVERVIEW*

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EXHIBITION *OVERVIEW*

The World Carbon Capture & Climate Summit 2025, held on 09 May 2025 at Hotel Pride Plaza, Aerocity, New Delhi, featured a focused exhibition with 25+ pioneering companies showcasing the latest innovations in carbon capture, clean energy, green hydrogen, emissions monitoring and climate tech.

The exhibition served as a powerful platform for technology demonstrations, solution-driven conversations and industry networking, attracting professionals, investors and sustainability leaders committed to accelerating climate action.

It offered a glimpse into the future of sustainable innovation and low-carbon transformation

PANEL DISCUSSIONS

PANEL DISCUSSION - 1

{ Carbon Capture vs Renewable Energy – Complementary or Competing? }





This engaging session brought together experts from the energy, policy, and industrial sectors to explore whether carbon capture and renewable energy are competing for resources—or working in tandem toward climate goals. Panelists emphasized that renewables are now the most cost-effective and scalable solution for decarbonizing power and transport, while carbon capture is essential for industries where emissions are unavoidable, such as steel, cement, and chemicals.

Though there are concerns about competition for funding, the consensus was clear: both technologies play distinct but complementary roles in the path to net-zero. The discussion called for strategic investment, with renewables leading where possible and carbon capture deployed where necessary. The session concluded with a unified message—collaboration, not competition, is key to building a resilient and sustainable energy future.

PANEL DISCUSSION - 2

{ Are Current Decarbonization Strategies the Right Pathway for CCUS? }





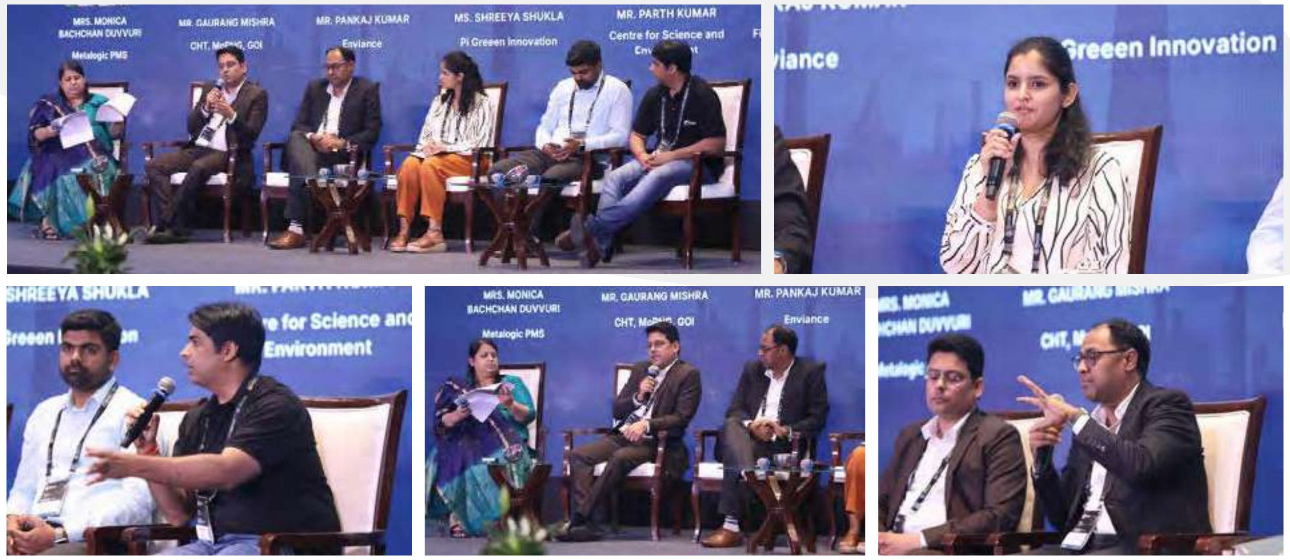
In this compelling session, panelists explored whether current decarbonization strategies are effectively paving the way for Carbon Capture, Utilization & Storage (CCUS). While all agreed that renewables remain the foundation of the energy transition, several panelists emphasized that relying solely on solar, wind and electrification may not be sufficient—particularly for industries where emissions are process-related and hard to eliminate.

Panelists from the industrial and policy sectors voiced concern that CCUS is underrepresented in current climate frameworks, largely due to high costs, slow infrastructure development, and limited funding. At the same time, they acknowledged growing momentum and innovation in CCUS technologies.
The debate over achieving 100% renewables without CCS brought diverse viewpoints. Some argued it's technically feasible in the long term, while others maintained that CCUS will be essential for grid balancing, industrial decarbonization and managing residual emissions. The session closed with a clear consensus: CCUS and renewables are not competing solutions, but complementary tools, and the right decarbonization pathway must include an integrated, technology-neutral approach supported by robust policy and investment.

PANEL DISCUSSIONS

PANEL DISCUSSION - 3

{ Decarbonization Strategies for Manufacturers }



Panelists emphasized the urgent need for manufacturers to adopt sector-specific decarbonization roadmaps, combining clear emissions targets with actionable steps. Key strategies discussed included energy efficiency improvements, electrification of industrial processes, fuel switching to cleaner alternatives like green hydrogen, and carbon capture for emission-intensive operations.

They also highlighted that financial and policy support is essential, urging stronger government incentives, carbon pricing mechanisms, and accessible green financing—especially for SMEs. Through global case studies, panelists showcased how leading manufacturers have successfully reduced emissions while maintaining productivity. The consensus: decarbonization is not only feasible but critical for long-term industrial resilience and competitiveness.

PANEL DISCUSSION - 4

{ Carbon Capture Technologies for High-Abate Industries }

Panelists emphasized that carbon capture is a critical tool for decarbonizing high-emission sectors such as cement, steel and chemicals. They discussed the importance of integrating CCUS into climate alignment strategies, ensuring it becomes part of long-term industrial planning. The impact of carbon taxes and emissions trading was highlighted as a key driver for accelerating adoption and investment in capture technologies.

Panelists also shared examples of innovative, low-carbon production methods, pointing out that industrial transformation is both possible and underway. A key takeaway was the chemical industry's evolving role—not only in decarbonizing its own operations but also in advancing energy storage and CO_2 utilization technologies. The session concluded with a strong consensus: collaboration across sectors, policy frameworks, and continuous innovation are essential to scaling CCUS in high-abate industries.

SPEAKERS SPEAKERS

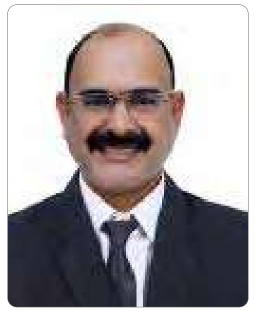
Kishor Rajhansa
Chief Operations Officer
Global Carbon Council

Rohit Kumar
Secretary General
Carbon Market Association
of India (CMAI)

R C Agarwal
Executive Director (CHT)
MoPNG

Abhinav Trivedi
Manager (Decarbonization
& Climate Smart Financing)
Acuity Knowledge
Partners

Monica Bachchan Duvvuri
Founder & CEO
Metalogic PMS



Hemant Kumar Aiyer
Vice President & Head R & D
Nuvoco Vistas Corp. Ltd.

Animesh Gupta
Decision Scientist
Strategic supply chain
expert

Atul Kharate
Chief Operating Officer
IndianOil Adani Ventures
Ltd.

Gaurav Verma
Branch Head, Delhi
M. N. Dastur & Co. (P) Ltd.

Sarmistha Nandy
Director – Sustainability
Sarvatah Projects Pvt. Ltd

Ajoy Kumar Mandal
Principal Scientist
GWCN

Neelakanth Marathe
Executive Director
Emission Controls
Manufacturers Asso
[ECMA]

Samrat Sen Gupta
Technical Director
ProClime

Gaurang Mishra
Joint Director
Centre for high technology
(CHT), MoPNG, GOI

SPEAKERS

Pankaj Kumar
Founder & Managing Director
Enviance

Shreeya Shukla
Specialist (ESG & Net Zero)
Pi Greeen Innovation

Parth Kumar
Programme Manager
Centre for Science and Environment

Anand Pathak
Co-founder & CEO
Fitsol Supply Chain Solutions Pvt. Ltd

Siddhant Gupta
Global Head of Business Development
EKI Energy Services Ltd

Puneet Goel
Director
ICF

Kaushal Bisht
Lead- Partnership
Varaha

SPEAKERS

Yash Agarwal
Co- Founder
Carbonetics Carbon Capture

Sapna Nijhawan
Founder & CEO
Sustainiam

Deepak Pahwa
Chairman (Pahwa Group)
Managing Director (Bry-Air Asia).

Niraj Singh
General Manager
Veolia Carbon Clean India Pvt Ltd

Prasad Borge
VP (Sales Head)
Pi Green Innovations

Madhur Jain
Co-Founder & CEO
Varaha

Manish Dabkara
Chairman & MD
EKI Energy Services Ltd

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PANELISTS
MRS. MONICA BACHCHAN DUVVURI
Metalogic PMS
MR. HEMANT KUMAR AIYER
DR. SARMISTHA NANDY
DR. AJOY KUMAR MANDAL
GWCN
MR. NEELAKANTH MARATHE

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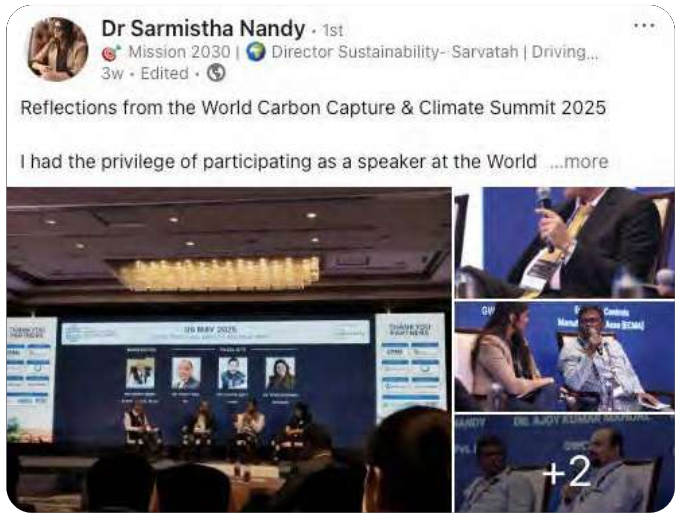
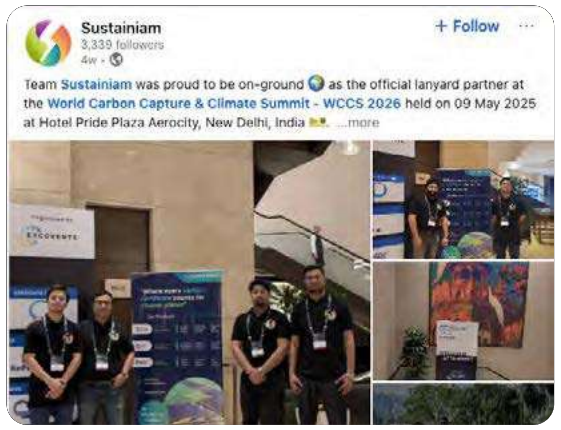
DIGITAL PRESENSE





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- A Veolia Carbon Clean Joint Venture
- Gas Lab Asia
- ProClime
- IndianOil Adani Ventures
- pwc
- Centre for Science and Environment
- Maruti Suzuki
- Sustainiam
- Global Waste Cleaning Network
- Bridge Carbon
- सीएचटी
- Jindal Steel & Power
- Dastur
- IESA
- IFGE – Indian Federation of Green Energy
- eki – Steering the Planet to Net Zero
- Acuity Knowledge Partners
- IIMB तेजस्वि नावधीतमस्तु
- Meta Logic
- Enviance – Validation & Verification Body (VVB)
- Carbonetics Carbon Capture
- Industry Events
- Varaha – Disrupting Carbon Footprint
- Nuvoco – Shaping a new world
- platino
- Hexa Climate
- Cotton Guru Media
- ICF
- Valor Carbon
- ECMA
- RePut
- Mālaxmi

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For All Enquiries
E: ravi@excovents.com

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