

Wishing a Merry Christmas and a Happy New Year!

GCCA India is excited to share the newsletter, highlighting the activities since August 2024. We have signed two memorandums of understanding (MOUs) aimed at decarbonizing the Indian cement and concrete sector and participated in various sessions to represent the sector. This year has been one of significant action, and we look forward to more engagements in the next year.

## Driving Sustainability: Collaboration with NCB for Cement Sector Decarbonization

GCCA India has signed a Memorandum of Understanding (MoU) with the National Council for Cement & Building Materials during the 18th NCB International Conference and Exhibition on Cement and Concrete, held at Yashobhoomi, IICC Dwarka, Delhi. This partnership aims to promote research in the area of decarbonization within the Indian cement and concrete sector. The MoU was signed by Dr. L. P. Singh, Director General of NCB, and Mr. Manoj Kumar Rustagi, Director of GCCA India. This collaboration will strengthen ongoing efforts to decarbonize the Indian cement and concrete industry by 2070.

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## Collaboration Between GCCA India and Xynteo's Build Ahead Coalition to drive Decarbonisation of India's Built Environment

GCCA India announced the partnership between GCCA India and Xynteo's Build Ahead coalition, formalized through a Memorandum of Understanding (MoU), to drive the decarbonisation of India's built environment with low-carbon cement and concrete. This collaboration combines GCCA India's industry expertise with the Build Ahead coalition's collective efforts to promote sustainable construction.

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## LeadIT's International Cement Delegation to Sweden supported by GCCA India

GCCA India proudly supported the Leadership Group for Industry Transition (LeadIT) for the International Cement delegation to Sweden from 14th to 17th October 2024. The delegation, which included industry leaders and government representatives, explored cutting-edge technologies essential for decarbonising the cement industry.



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### Article on Driving Sustainability: Water Management Practices in the Indian Cement Sector featured in International Cement Review November 2024

GCCA India's article Driving Sustainability: Water Management Practices in the Indian Cement Sector was featured in the International Cement Review November 2024 issue. The article focused on the GCCA Water Positivity Protocol and case studies of GCCA India members on sustainable water management.

### GCCA India Head Kaustubh Phadke Featured on Celerity Supply Chain Tribe November 2024 Issue

Kaustubh Phadke (GCCA India Head) was featured in the November 2024 issue of Celerity Supply Chain Tribe, where he discussed the cement and concrete sector's leadership in advancing the circular economy and the role of new technologies in decarbonization.

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### Kaustubh Phadke Leads Session on Circular Economy at Jakarta 2024 ICLEI Event

Kaustubh Phadke was invited to conduct a session on Circular Building & Construction at the ICLEI Jakarta 2024 event, held from August 27-29. The three-day course focused on equipping over 120 global participants, including city officials and urban planners, with practical tools to implement circular economy strategies for sustainable urban development.

## Successful Webinar on GCCA's Water Positivity Index and Toolkit

On 25th July 2024, GCCA India hosted a successful webinar on the Water Positivity Index and Toolkit, aimed at familiarizing assurance agencies with the tool for verifying water-related data in the cement sector. The session covered water management practices, a technical walkthrough of the toolkit, and GCCA's vision for a water-positive future in the cement industry.

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## GCCA India Health and Safety Meeting Focuses on Contractor Safety and Innovative Solutions

On 10th September 2024, GCCA India hosted a Health and Safety meeting to discuss Contractor Safety Management and share best practices, including global safety standards and GNR (Getting Numbers Right) participation. M/S G Leonard showcased a robotic arm for safely cleaning confined spaces in cement plants, improving productivity and efficiency.

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## Innovations in Concrete Technology discussed at World of Concrete India by GCCA India

At the World of Concrete India event (October 16-18, 2024), Kaustubh Phadke participated in a panel on 'Innovations in Concrete Technology', highlighting the importance of Life Cycle Assessment (LCA) and sharing GCCA's Net Zero CO<sub>2</sub> Roadmap for concrete. His insights focused on promoting concrete as a sustainable material for modern construction.

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## Low Carbon Cement discussed by GCCA India at the World of Concrete India Press Meet

Kaustubh Phadke participated in the World of Concrete India press meet on September 19, 2024, in Ahmedabad. During the roundtable conference, he highlighted the critical role of low-carbon cement and concrete in decarbonising the built environment.

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## Decarbonisation Insights shared by GCCA India at South India Manufacturers' Association Event

On August 21, 2024, Pashmin Dee (Sustainability Manager, GCCA India) and Kaustubh Phadke(virtually) represented GCCA India at the South India Manufacturers' Association's Inter-Plant Visit and Knowledge Exchange at Andhra Cements Limited. Kaustubh Phadke presented GCCA's global decarbonisation roadmap and key innovation strategies for the cement industry.

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## GCCA's Water Positivity Protocol presented by GCCA India at the SICMA Workshop

At the SICMA workshop on Environment and Sustainability (September 30, 2024), Kaustubh Phadke, presented the Water Positivity Protocol developed by GCCA. This protocol helps estimate the impact of water-related interventions and standardizes practices on water consumption, conservation in the cement industry.

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## Panel on Technology for Infrastructure at RAHSTA Expo 2024

Kaustubh Phadke was invited to participate in a panel discussion at RAHSTA Expo 2024 in Mumbai, where he discussed the critical role of technology and innovation in infrastructure development, particularly within the cement and concrete industry.

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## Workshop on Carbon Capture, Utilization, and Storage by NITI Aayog Workshop in New Delhi

GCCA India was invited by NITI Aayog to participate in a workshop on Carbon Capture, Utilization, and Storage (CCUS) held on August 22-23, 2024, in collaboration with the U.S. Department of State. Kaustubh Phadke participated and presented key findings from GCCA's report on CCUS in the Indian cement industry, covering CO<sub>2</sub> hubs, storage facilities, and policy incentives.

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## Exploring Decarbonization Strategies for the Cement Sector at the Celerity Supply Chain Tribe Conference

On 8th August 2024, Kaustubh Phadke participated as a panelist at the first Celerity Supply Chain Tribe Conference on Sustainability in Mumbai, where he discussed the Indian cement sector's decarbonisation journey and the growing role of circularity in driving business value. The panel also explored how the industry is supporting sustainability practices across the value chain.

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## GCCA India Discusses Decarbonisation at The ESG Summit 2024 in New Delhi

Kaustubh Phadke participated in the panel discussion at The ESG Summit 2024 in New Delhi, organized by The Policy Times and Reverse Logistics Group. He shared insights on decarbonising the cement and concrete industry, emphasizing key levers for emissions reduction and the importance of GHG accounting frameworks like CDP and SBTi.

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## IBC Suraksha Kavach 2024

GCCA India was proud to support the IBC Suraksha Kavach Annual Summit 2024 held on 29th and 30th of August 2024 in Mumbai. Pashmin Dee represented GCCA India at the program. The insightful discussions, and expert contributions were a highlight at the two-day event.



## Sustainable Business Leaders' Roundtable by UNGC

Kaustubh Phadke attended the Sustainable Business Leaders' Roundtable by UNGC on 8th of October in Mumbai. He added to the discussion on the role of concrete as a product and industry contributes to the achievement of the Sustainable Development Goals (SDG).

## Panel discussion at Business and Financing Models to Support the Transition to Zero-Emission Freight

Kaustubh Phadke participated in a panel discussion at Business and Financing Models to Support the Transition to Zero-Emission Freight by Climate Policy Initiative on 24th October 2024. He elaborated on the adoption of electric trucks, financing models, and conditions for EFV deployment, and provided the cement sector perspective, which is one of the early adopters of the EV for transportation.





## Low Carbon Industry Transition in India's Steel and Cement Sector

Pashmin Dee, attended a workshop titled "Low Carbon Industry Transition in India's Steel and Cement Sector" in Delhi on November 5, 2024. Organized by the India-Sweden Industry Transition Partnership, the Ministry of Environment, Forest and Climate Change, and the European Union Climate Dialogues. The workshop aimed to bring together key stakeholders to accelerate the shift towards a low-carbon pathway in these sectors. Participants engaged in discussions to review the preliminary findings of a study on the steel and cement industries.

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## India-EU Panel discussion on Deconstructing India's decarbonization journey

Pashmin Dee attended India-EU Panel discussion on Deconstructing India's decarbonization journey in Delhi on 6th November 2024. The panel discussion focused on India's progress in decarbonization as part of its commitment to climate change and sustainable development, emphasizing the Leadership Group for Industry Transition (LeadIT) and the challenges faced in hard-to-abate sectors.



## About GCCA India

Global Cement & Concrete Association (GCCA) India works with the Indian cement & concrete sector on Climate Change, Circular Economy, Health & Safety, SDGs, and Advocacy. The GCCA India membership aggregates around 80% of India's cement production capacity. The GCCA exists to drive advances in sustainable construction to demonstrate industrial-sustainable leadership in cement and concrete manufacturing. It is working hard to enhance the cement and concrete industry's contribution to many significant global, social and developmental challenges. The cement & concrete industry's sustainable development is at the core of the GCCA's work. It has five pillars: health & safety, climate change & energy, social responsibility, environment & nature, and circular economy. The GCCA gathers and publishes data on the industry's sustainability commitments and guidelines and initiates research. The GCCA 2050 Cement and Concrete Industry Roadmap for Net Zero Concrete is the collective commitment of the world's leading cement and concrete companies to fully contribute to building the sustainable world of tomorrow. More information about 2050 roadmap and GCCA is available at: <https://gccaassociation.org/>