

EUROPEAN CEMENT DECARBONISATION SUMMIT 2024

30th & 31st October 2024
Hamburg, Germany

Accelerating the Sustainable Future for Cement
and the Wider Value Chain

Key Topics

- Analysing Market Projections and Future Outlook of Decarbonised Cement
- Unpacking Key Project Developments and Upgrades in Decarbonisation
- Improving Ongoing Efforts for 2030 and 2050 Targets & Regulations
- Enhancing Carbon Management for Cement Production
- Exploring the Full Scope of Alternative Fuels for Decarbonised Cement
- Cementing Industry and Governmental Relations Across the Wider Value Chain and Europe

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ACI's European Cement Decarbonisation Summit 2024 will be taking place on the 30th & 31st October 2024, in Hamburg, Germany.

The conference will address the industry's vital issues such as Carbon Management, CO2 Industry Roadmaps and Cross-Industry Collaboration. Indeed, the entire value chain and intermediary steps between will be addressed to ensure build on the accelerating growth of low-carbon cement.

The two day conference will bring together senior executives from Cement Producers, Green Fuel Providers, Carbon Management Providers, Mining Companies, Concrete Manufacturers, EPCs as well as other influential stakeholders amongst the wider industry.



Who Will Attend?

- Cement Producers
- Green Fuel Providers
- Carbon Capture Providers
- Mining Companies
- Concrete & Other End-Product Manufacturers
- R&D Scientists
- Regulatory & Policy Officers
- Business Development Directors
- Technical Managers
- Technology & Solution Providers
- Consultants

Registration Is Simple

If you would like to register for this event or wish to find out more information, you can contact **Rohan Baryah** using any of the following methods:

Tel: +48 61 646 7022

Email: rbaryah@acieu.net

Online: <http://www.acieu.net>

Conference Fees

Conference (Includes Documentation Packet) £1,995
30th—31st October 2024

Documentation Packet Only £520

Members and customers of all supporting organisations are entitled to a discount off their conference package.

Discounts are available for multiple/group bookings.



Opportunities to Meet Your Target Audience Face to Face:

Showcase your technologies to the industry, with opportunities to demonstrate the capabilities of your latest products and services. Companies can gain direct access to our senior level audience and have an increased level of visibility and exposure through branding and networking at the conference. For information on available commercial opportunities, please contact:

Venkat Paramasivam

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DAY 1

Wednesday 30th October 2024

08:00 **REGISTRATION & COFFEE**

09:00 **CHAIR'S OPENING REMARKS**

09:10 **KEYNOTE ADDRESS**

Analysing Market Projections and Future Outlook of Decarbonised Cement

- Evaluation of the wider value chain's current commercial growth and what projections are expected



Sebastian Reiter
Partner
McKinsey & Company

09:40 **PANEL DISCUSSION**

Improving Ongoing Efforts for 2030 and 2050 Targets & Regulations

- Unpacking the EU and CO2 roadmap and future European sustainability targets that will play a major part in cement decarbonisation
- Ensuring low-carbon cement is approved for legal standards in construction and building
- Creating a standardised approach to regulating cement CO2 emissions



Haley Armstrong
Partner
AJW Inc.



Vincent Michel
Go4Zero Programme Director
Holcim Group



Ignacio Machimbarrena
Chief Innovation Officer
Cementos Molins

10:25 **MORNING REFRESHMENTS**

10:55

SESSION ONE

Enhancing Carbon Management for Cement Production

Improving the Safety and Efficiency of CCUS using the Right Instrumentation

- Enhancing the efficiency and reducing the uncertainty of carbon capture, utilisation, and storage (CCUS) processes relies heavily on deploying advanced instrumentation
- Integrating real-time data analytics into CCUS systems to enhance decision-making



Andreas Cordes
Bus. Dev. Manager
Endress + Hauser



- Adapting to an efficient and economical carbon capture process
- Focus on the transportation and storage of CO2 to reduce net emissions
- Evaluating the short/long-term potential of carbon utilisation for cement production
- Contextualising the wider impact on CO2 capture business models

Johan Gahnström
Principal Consultant & Senior
Advisor
Research Institute of Sweden



Georg Locher
Managing Director New
Technologies
Schwenk Zement



Burçin Temel McKenna
Global Head of Carbon
Capture
Ramboll Group

12:10 **LUNCH**

13:10

SESSION TWO

Assessing Latest Developments in Energy Efficiency & Process Optimisation

Providing the Intelligence Layer to Your APC

- Carbon Re's AI closed-loop integration of the pyroprocess is reducing fuel consumption and carbon emissions in plants globally



Daniel Summerbell
Chief Solutions Officer
& Co-founder
Carbon Re

CarbonRe®

- Innovations in Clinker production
- Deep dive into the calcination process and key areas for improvement
- Focus on developments of oxyfuel technology



Peter Breithaupt
Scientific Officer
European Commission



Davide Zampini
VP, Global R&D
Cemex

15:00

AFTERNOON REFRESHMENTS

15:30

CONFERENCE PRESENTATION

Scaling Low Clinker Cements to Deliver Radical Reductions in CO2 Emissions



Conor O'Riain
Managing Director,
Europe
Ecocem



- Ecocem's proven technology, ACT, has a fraction of the carbon footprint with trials showing a 70% CO2 reduction compared to average European cement.

15:50

SESSION THREE

Exploring the Full Scope of Alternative Fuels for Decarbonised Cement

How to Enable a Greener Future in the Cement Industry

- How renewable fuel types can support decarbonisation and CO2 reduction
- No « one fits all » solution but individual tailored solutions for diverse circumstances in the cement industry



Svenja Baetz
Director,
International Bus.
Dev.
Brüning Group

BRÜNING
GROUP

Syngas to Decarbonise the Cement Industry – Present and Future

- Syngas to enable a significant reduction in absolute greenhouse gas (GHG) emissions.
- Cleantech technology that converts non-recyclable waste and biomass into clean energy, removing Chlorine content from the Syngas derived from SRF



Andres Ponce
CEO
WtEnergy



Understanding the Global Biomass Market and the Potential for Decarbonising the Cement Industry

- Overview of the global market for biomass; availability & security of supply
- Biomass in heavy industry: decarbonising the cement industry



Victor Smith
Bus. Dev.
and Trading
CM Biomass

CM BIOMASS

16:45

CLOSE OF DAY ONE

DAY 2

Thursday 31st October 2024

08:30 **REGISTRATION & COFFEE**

09:00 **CHAIR'S OPENING REMARKS**

09:05 **SESSION FOUR**

Unpacking Key Project Developments and Upgrades in Decarbonisation

Empowering Tomorrow: New Approaches, Actionable Insights and Frameworks for the Development of Large-Scale Decarbonisation Projects

Providing actionable insights and frameworks for successful project management, technological integration, stakeholder engagement

- Economic feasibility to achieve a successful project execution



Philip Glörfeld

Director Bus. Dev
& Sales - Europe,
Africa & CIS

Thyssenkrupp



Qualification of the CESAR1 solvent for commercial deployment within the HEU project AURORA

- Technology knowledge gaps covered in the AURORA project
- Piloting from small scale, medium scale to large scale pilot testing



Hanne Kvamsdal

Senior Research
Scientist
SINTEF

Overview of the latest project landscape with

- consideration of sustainability and CO2 targets

- Analysis of current cost structure and funding for Europe's major ongoing/future projects



Aris Tsikouras

Director, Decarbonisation
Strategy
Titan Cement



Ali Abdelshafy

Head of Research Group/ Chair
- Operations Management
RWTH Aachen University

10:20 **MORNING REFRESHMENTS**

10:50

CONFERENCE PRESENTATION

Developing your Cement

Decarbonisation Strategy: Prioritising Action for Long-term Competitiveness

- Shell system methodology for co-creating asset-specific decarbonisation roadmaps for the cement industry
- Shell's first-hand experience of decarbonising assets, licensing technologies and providing low-carbon energy



Guido Kuiper
Global Decarbonisation
Consultancy Manager

Shell Catalysts & Technologies



11:20

SESSION FIVE

Improving the Key Relationship Between Cement, Concrete and Other Cement-based Products

Low-emission Cementitious Adhesives

- Insight into Henkel's decarbonisation strategy
- Upstream and downstream integration to successfully decarbonise cementitious



Kimberly Simancas
Head of Sustainability,
Construction Adhesives
Henkel



Marcel Soulier
Sustainability Manager
Henkel



- How varying decarbonised cement content can affect concrete
- Ensuring CO2 targets met for cement also supports downstream sustainability targets



Laura Stefanini
Concrete Technologist
Byrne Bros

12:35

LUNCH

13:35 SESSION SIX

How the Circular Economy Can Provide Further Sustainable Opportunities

- Utilising waste concrete and similar industrial waste as cement feedstock
- How byproducts produced can be re-used to improve decarbonisation



Jan Skocek
R&D Program Manager
Carbonation Technologies
Heidelberg Materials



Diana Casey
Executive Director, energy and
climate change, cement and lime
Mineral Products Association

14:50 PANEL DISCUSSION

Cementing Relations Across the Wider Value Chain and Europe

- How further collaboration between feedstock suppliers, cement producers and offtakers can accelerate decarbonisation efforts
- Unifying cross-border standards on cement transportation and aggregate waste



Lorenz Lechner
Head of Decarbonisation and
Transformation
Alpacem



Hervé Camerlynck
Managing Director
FEBELCEM

15:35 CHAIR'S CLOSING REMARKS

15:45 END OF CONFERENCE & AFTERNOON REFRESHMENTS



Speed networking in a meet & greet session



Evening drinks reception sponsored by Chevron



Opportunities for facilitated networking and exhibiting