

Decarbonising the Cement Industry

Event Schedule

20-23 September 2021



Held on
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20 September 2021

SESSION 1: 09.30-11.30am (BST)

Keynotes

- **Holcim's Net-Zero journey:** Magali Anderson, Holcim Ltd (Switzerland)
- **The resiliency of the cement industry – a promising future towards decarbonisation:** Davide Zampini, Cemex (Switzerland)
- **The global cement industry and CO2 solutions:** Paul Roger, Exane BNP Paribas (UK)

SESSION 2: 14.00-16.00pm (BST)

Pathways to net zero

- **Industry 2030 sustainability ambitions – easier said than done?:** Jim O'Brien CSR Consulting (Ireland)
- **Global cement & concrete trends to 2050:** Peter Hoddinott, Independent Consultant (UK)
- **Sustainable refractory solutions for the cement industry:** Heinz Telser, RHI Magnesita (Austria)

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SESSION 3: 09.30-11.30am (BST)

The digital cement plant

- **Decarbonising cement via the Hybrid Cloud for Manufacturing & Sustainability:** Robert Feldmann, Microsoft (Germany)
- **How digitalisation leads to decarbonisation in the cement industry:** Chandrashekara Rangapura Shettappa, Siemens (Germany)
- **CO₂ reduction in cement logistics:** Karsten Horn, Inform (Germany)
- **Using explainable machine learning to lower costs and emissions in the cement sector:** Berk Birand, Fero Labs (USA)

SESSION 4: 14.00-16.00pm (BST)

Advances in co-processing and alternative fuels

- **Pyrorotor for maximized AF-burning – a case study:** Matthias Mersmann, KHD (Germany)
- **GIZ - Holcim/Geocycle guidelines on pre- and co-processing in cement production:** Sharmistha Nandi and Steffen Blume, Geocycle/GIZ (Germany)
- **Decarbonisation: O₂-H₂-biomass combustion:** Michalis Akritopoulos, Cinar (UK)

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SESSION 5: 09.30-11.30am (BST)

Clinker substitution and calcined clays

- **FUTURECEM™ - green and sustainable cement technology within Cementir's low-carbon portfolio:** Michele Di Marino & Stefano Zampaletta, Cementir (Italy), Jesper Sand Damtoft, Cementir (Denmark)
- **EcoOils – a circular economy model from palm to cement:** Kavidasan Kalibaskaran, EcoOils (Malaysia)
- **Clay calcining for green cement:** Pedro Ladeira, FCT-Combustion Inc (USA)

SESSION 6: 14.00-16.00pm (BST)

Renewable energy and waste heat recovery

- **A viable pathway to zero-carbon, continuous process heat:** John O'Donnell, Rondo Energy (USA)
- **Helping cement producers reduce their carbon footprint: EGP's experience with renewable PPAs and green hydrogen:** Anna Kowalczyk, Enel Green Power (Spain)
- **Waste heat recovery with ORC – a way to decarbonise the cement industry:** Sabrina Santarossa, Turboden (Italy)

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SESSION 7: 09.30-11.30am (BST)

Energy efficiency and grinding

- **Overcoming the challenges of grinding systems:** Kaushik Ghosh, Köppern (Germany)
- **Cement additives to mitigate carbon impacts:** Chryso (France)
- **Enabling clinker and CO₂ reduction through chemical strength enhancement – new CO₂ST® Reducers technology from GCP Applied Technologies:** Jeffrey Thomas, GCP Applied Technologies (USA)

SESSION 8: 14.00-16.00pm (BST)

Carbon capture, utilisation and storage (CCUS)

- **The LEILAC projects – progress and update:** Daniel Rennie, Calix (France)
- **Scalable carbon capture for the cement industry:** Glen Bailey, Carbon Clean (USA)
- **Delivering carbon capture – CCUS for the cement industry today:** James Evangelou, Carbon8 Systems (UK)

Companies participating at Cemtech:



Free Registration: www.CemNet.com/Decarb2021