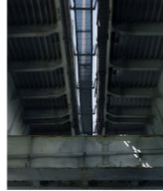


Low-Carbon Concrete

Discover innovative ways to make concrete more sustainable by reducing its carbon footprint. This infographic explores key technologies and pathways for a greener future.

1



Low-Carbon Tech

Low-carbon concrete technologies, such as Supplementary Cementitious Materials (SCMs), Alkali-Activated Materials (AAMs), and Carbon Capture and Storage (CCS), reduce CO2 emissions, enhance concrete durability, and sequester CO2, turning concrete into a carbon sink

2



Recycling

Recycled aggregates from construction waste reduce the need for virgin materials, conserve energy, lower emissions, support the circular economy, and minimize landfill use and resource waste.

3



Challenges

Industry-wide collaboration, life cycle assessments (LCAs), and policy support are crucial for adopting sustainable concrete practices and ensuring long-term sustainability



A Greener Future

Key technologies like Carbon Capture Utilization and Storage (CCUS) and low-carbon concrete mixtures require supply chain collaboration, rigorous standards, and material assessments for successful implementation