



Photo: Teams members of both companies (CURA and Titan)

CURA CLIMATE

Canada's CURA and Titan innovate the clinker production

CURA Climate Inc. (CURA) from Canada and the Titan Group announced in a MoU to test a new innovate limestone splitting technology. The project (photo) starts with laboratory testing, followed by technical and commercial assessments to explore the pilot deployment across Titan's operations. The CURALYTE process uses electricity for the electrolysis of water. The acid is used to split the raw material, limestone, into high-purity calcium hydroxide and a concentrated stream of CO₂ for storage. The base is used to react with the calcium hydroxide to form hydrated lime as feedstock for cement. The technology aims to reduce the CO₂ of the clinker production by 85% compared to the conventional process.

Erin R. Bobicki, CEO of CURA: "Decarbonizing cement requires technologies that can integrate with existing infrastructure while dramatically reducing emissions. TITAN has been a global leader in sustainable building materials, and this partnership is an exciting step toward validating our technology with one of the world's most forward-thinking cement producers."

About CURA:

CURA is building electrochemical technology to decarbonize cement. Its CURALYTETM-powered electrolyzer cuts emissions by up to 85% while lowering energy use and cost. Designed as a retrofit-ready solution, CURA's technology integrates with existing feedstocks, infrastructure, and operations. CURA works alongside industrial operators, academic institutions, and strategic collaborators to validate and scale its upstream approach. Partners & collaborators include: Acciona, Captura, Grand Forks Concrete, and Zacua Ventures, to name a few.

<https://curaclimate.com/press/cura-and-titan-group-innovation-partnership-for-the-validation-of-low-carbon-cement-technology>

https://www.titanmaterials.com/wp-content/uploads/2026/04/20042026_CURA_and_TITAN_Innovation_partnership_en.pdf