

21 Cilegon City & West Java Province (Indonesia)— Kitakyushu City

Main Proposer: Institute for Global Environmental Strategies (IGES)

Feasibility Study for Decarbonizing the Cement Industry in Indonesia

The cement industry is known to be the third-largest energy consumer in the world and the second-largest emitter of CO₂. This project aims to explore and assess the potential for decarbonization in the cement industry through CO₂ emissions reduction across the entire supply chain, focusing on Cilegon City in Banten Province and West Java, Indonesia. Key activities include utilizing industrial waste as raw materials and fuel for cement production; converting municipal waste into fuel; improving waste management through city-to-city collaboration; introducing energy-saving technologies to cement plants; and supporting the establishment of regulatory frameworks to promote the use of waste as raw materials and fuel. Through these efforts, the project seeks to provide diverse co-benefits to the target cities.

