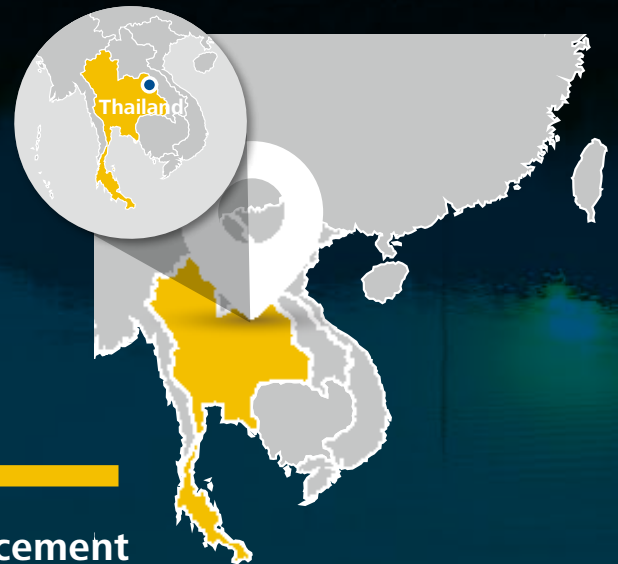


SIAM CEMENT GROUP BIOMASS TO ENERGY THAILAND



Increasing the sustainability of Thailand's cement sector

By shifting to renewable biomass instead of fossil fuels, five Thai cement manufacturing plants can substantially reduce their carbon emissions – leading to environmental and socio-economic benefits for surrounding communities.



The Context

Thailand heavily relies on the burning of fossil fuels for its cement industries, even though cement production is an emission-intensive activity – making up an estimated 5% of all global man-made CO₂ emissions.

The Project

New infrastructure now enables the five cement manufacturing plants involved in this project to use alternative fuels and biomass residue, including rice husks, wood-processing residues and other agricultural waste. As a result, they have been able to reduce their dependence on fossil fuels such as the toxic mix of coal and lignite they previously used in their kilns.

The Benefits

This project funds a range of social and environmental programs including health clinics to service the neighbouring communities, over 65,000 check dams for upstream forest conservation, school scholarships, mobile health clinics and the development of small-scale local industries. Farmers also now profit from a supplementary income and additional jobs have been created thanks to the project's efficient supply chains and manufacturing processes for biomass fuels.

This project provides a genuine financial alternative to fossil fuels and significantly benefits the local community.



100 people

treated per day in mobile health clinics, providing valuable access to healthcare for communities



68,445 check dams

built to sustainably improve water sources



610,230 tCO₂e

reduced on average annually, by a decreased reliance on fossil fuels



9,000 ha

of eucalyptus forest planted, improving soil quality and biodiversity in nearby forests

For more information on the UN Sustainable Development Goals, please visit: <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>

Official name: Siam Cement Biomass Project | **UNFCCC/markit/VCS link:** https://products.markit.com/br-reg/public/project.jsp?project_id=100000000000351 | **UNFCCC/markit/VCS ID:** 0351

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