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Insights \_ Polysius

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thyssenkrupp Polysius wins  
engineering contract for the  
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contract for the construction of the world's largest activated clay plant with a capacity of 3000tpd.

The plant will be located in the Brazilian state of Para, where the high-quality clay will be sourced from the gigantic clay reserves of the iron ore complex of Carajás and up cycled. The kaolinite content of the clay – up to 80% – is the reason for the very high quality of the product, which will be used as Supplementary Cementitious Material (SCM).

**“We are honored to partner on this landmark project.”**

**Christian Myland, CEO of thyssenkrupp Polysius**

"Leveraging high-quality local clay and our advanced activated clay technology, this plant will set a new benchmark for a carbon-conscious cement production", says Christian Myland, CEO of thyssenkrupp Polysius.

Circlua and thyssenkrupp Polysius have already started a vivid and ambitious technology partnership to develop a unique plant involving innovative technologies to calcine the clay using electrical-based solutions. The use of renewable electricity from the amazing renewable energy potential of Brazil, in particular its abundant and competitive hydroelectric energy, to power the plant is a key driver to target carbon neutrality, making the activated clay that will be produced for the global market, a unique SCM.

**“This project reflects our dedication to advancing future-ready solutions.”**

**Dr. Luc Rudowski, Head of Innovation at thyssenkrupp Polysius**

“Combining activated clay technology with renewable energy is a game-changer for reducing the industry's carbon footprint”, added Dr. Luc Rudowski, Head of Innovation at thyssenkrupp Polysius.



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**The bottom line:** Raw clay is available in large quantities worldwide. With polysius® activated clay, thyssenkrupp Polysius offers an innovative solution for the industrial use of previously hardly used clay sources as a substitute material and a sustainable, cost-effective alternative to conventional cement clinker.

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