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Insights _Polysius

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thyssenkrupp Polysius and SaltX Initiate Collaboration to Develop Emission-Free Production Facilities

thyssenkrupp Polysius and SaltX have signed a Letter of Intent (LOI) to jointly develop the next generation of fully electrified production facilities.

This partnership aims to scale innovative technologies and advance the decarbonization of the industry.

New technologies, fresh ideas, and exciting opportunities were the focus of a workshop between thyssenkrupp Polysius and SaltX, an innovative start-up from Sweden driving the electrification of calciners. Together, they discussed potential collaborations and the integration of this groundbreaking concept into various business areas.

As part of this collaboration, SaltX's patented Electric Arc Calciner (EAC) technology will be integrated into thyssenkrupp Polysius' green system solutions. The EAC process enables the electric calcination of materials, replaces fossil fuels with renewable energy, and isolates the released carbon dioxide, resulting in an emission-free production process.

“The partnership with SaltX is a significant step towards a sustainable industry.”

Dr. Luc Rudowski, Head of Innovation at thyssenkrupp Polysius

"By integrating the Electric Arc Calciner technology, we can expand our portfolio of green solutions and offer our customers innovative and environmentally friendly production methods. This collaboration is an important milestone on the path to decarbonizing the cement and lime industry", states Dr. Luc Rudowski, Head of Innovation at thyssenkrupp Polysius.

The electrification of calciners could be a game-changing technology for both thyssenkrupp Polysius and the entire industry. There is great potential in the areas of cement, lime, and DAC (Direct-Air-Capture). Cement is a key sector where sustainable technologies are becoming increasingly important. In the lime sector, electrification could bring new efficiency and environmental benefits. DAC is an innovative process for capturing CO₂ directly from the ambient air.

“The collaboration with thyssenkrupp Polysius is of great importance to effectively implement our technology and drastically reduce CO₂ emissions in the industry.”

Lina Jorheden, CEO of SaltX

"Together, we can set new standards and offer our customers fully electrified and emission-free production facilities", adds Lina Jorheden, CEO of SaltX.

Lukas Schoeneck, Head of Green Solutions at thyssenkrupp Polysius, commented: "Both sides benefit from the collaboration by combining our strengths and developing innovative solutions that are both ecologically and economically advantageous."

“This partnership is based on mutual trust and shared goals.”

Lukas Schoeneck, Head of Green Solutions at thyssenkrupp Polysius

The discussions with SaltX were promising, and the partnership agreement has already been detailed. This cooperation opens up new markets, more diversification, and the opportunity to further invest in a sustainable future.



Behind from left: Andreas Nordbrandt, Chairman of the board SaltX. Lukas Schoeneck, Head of Operating Unit Green Solutions thyssenkrupp Polysius. Joel Martinsson, Product Manager SaltX. Philip Glörfeld, Global Head of Business Development & Sales. In front from left: Lina Jorheden, CEO SaltX. Eric Jacobson, CCO SaltX, Dr. Luc Rudowski, Head of Innovation thyssenkrupp Polysius.

The bottom line: For more information: thyssenkrupp Polysius: Lukas Schoeneck, Head of Operating Unit Green Solutions, +49 2525 992207 SaltX: Lina Jorheden, CEO, +46 70-825 11 83 - Harald Bauer, CFO, +46 70-810 80 34
