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Taiwan Cement Corporation, Taipei (TCC) and thyssenkrupp Polysius, via its regional headquarter Asia Pacific intend to develop, construct and commission a separate oxyfuel calciner that is unique in its kind and has a very compact footprint. A Memorandum of Understanding (MoU) to this effect was signed today in Taipei/Taiwan. The pilot plant will be built at TCC's Hoping plant and integrated into the existing production line. In a first step, TCC will commission thyssenkrupp Polysius with the engineering of the plant.

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# Taiwan Cement and thyssenkrupp Polysius sign MoU to build a separate oxyfuel calciner in Taiwan

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effect was signed today in Taipei/Taiwan. The pilot plant will be built at TCC's Hoping plant and integrated into the existing production line. In a first step, TCC will commission thyssenkrupp Polysius with the engineering of the plant.

Pablo Hofelich, CEO of thyssenkrupp Polysius, emphasizes: "Reducing CO<sub>2</sub> emissions in cement production is one of the most important challenges facing the industry today. We are very pleased that we can support Taiwan Cement on this challenging path with our polysius® oxyfuel technology. Together we will make this significant step and lighthouse project towards more sustainable cement production a success. Together we will make this significant step and lighthouse project towards more sustainable cement production a success."

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Pablo Hofelich, CEO thyssenkrupp Polysius

The basic principle of oxyfuel technology is to capture CO<sub>2</sub> from the exhaust gases of cement factories and prevent it from being released into the atmosphere. In order to efficiently capture the CO<sub>2</sub> emissions from the cement plant, the exhaust gas components must be modified. This is achieved by using pure oxygen instead of combustion air. In this way, the exhaust gas consists mainly of CO<sub>2</sub>. The captured CO<sub>2</sub> can either be stored or used as feedstock to other industries.





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**The bottom line:** Taiwan Cement Corp. is engaged in the production and distribution of cement and cement products, the mining, production, transportation and distribution of cement raw materials, and the mining and distribution of ores. The company also operates in the environmental and energy sectors. The company's products include cement and clinker, ready-mixed concrete, chemical products and electricity. The company was founded in May 1946 and is headquartered in Taipei, Taiwan.

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