



SUCCESS STORY VIETNAM

Vinaincon's Thai Nguyen and Vinaconex's Cam Pha grinding plants • Vietnam



Challenge: State-owned construction company Vinaincon was looking to build a new cement plant, near Thai Nguyen in northern Vietnam. Vinaincon needed two cement grinding mills to achieve the intended capacity for this greenfield cement plant.

Meanwhile, Vinaconex needed to boost its Cam Pha Cement company production capacity to 1.8 million tpy. In this framework, Vinaconex decided to build a new separate grinding plant in the south, near Ho Chi Minh City. Both needed a trusted partner and proven leader in the cement industry who could scale up a solution combining low footprint with reduced Total Cost of Ownership (TCO).

Response: Fives came up with an innovative concept to meet these needs. It developed a first-of-its-kind twin mill concept: two FCB Horomill® machines using a common gas and selection circuit, with one FCB TSV™ Classifier 6500 HF and one filter, along with one feeding system.

Result: The compact structure of the twin FCB Horomill® system enabled a reduction in investment costs for both companies compared to standalone workshops. It also provided high flexibility in terms of production and maintenance. The system further reduced investment cost by requiring a minimum of spare parts. On each of the sites, the two customers achieved production capacity of over 240 tph.

Added value: When one of the twin mills needed to undergo maintenance, the other could still be used, preserving the same high level of product quality.

“Our main plant at Cam Pha wasn’t yet in operation at the time of commissioning, so we had to import foreign clinker for the performance tests. Despite the variations in clinker quality, the FCB Horomill® performed great. It achieved the numbers we needed in terms of production rate, cement quality and energy consumption.”

Lê Quang Uyên Phương
Director, Southern Branch - Cam Pha cement JSC