

“Our Hermosillo site required a grinding solution that would meet criteria specific to the harsh local environment. The FCB Horomill® was our choice because we knew it could achieve a high level of fineness in desert-like conditions. In addition, the fact that we could source a significant amount of the plant equipment from one supplier made Fives’ technology the right option.”

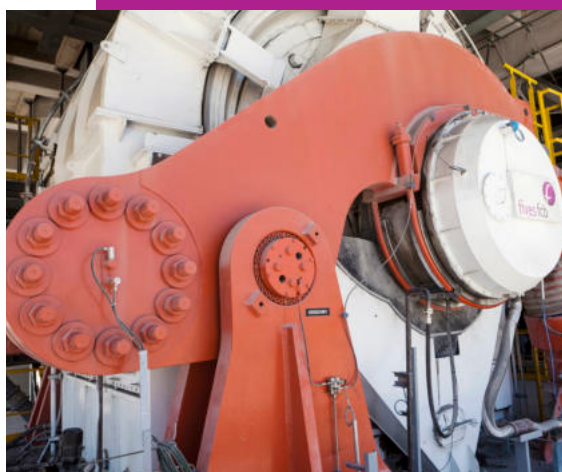
José Gama
Plant Director, Holcim México



SUCCESS STORY

HOLCIM MÉXICO

Hermosillo plant • Sonora, Mexico



Challenge: Following Fives’ successful installation of a 3,000 tpd complete, turnkey plant to Holcim Group’s plant at Cartago (Costa Rica), Holcim called on Fives for its affiliate’s new project near Hermosillo (Mexico). The 3,500 tpd greenfield cement plant was being built in an area marked by significant water scarcity.

Response: For the cement grinding section, Fives built not one but three FCB Horomill® 3800 mills in an integrated, compact building. Along with the cement mills, Fives supplied an FCB Off-Line Precaliner and an FCB Rotary Kiln to produce high-quality clinker for the mills with low thermal energy consumption—using alternative fuel—and low NOx emissions.

Result: The unprecedented “triplet” installation of FCB Horomill® grinding mills saw each achieve up to 100 tph production capacity of very high-quality cement. The triplet solution’s grinding process was especially adapted to the desert-like conditions in which the plant was situated and could handle a wide variety of additive materials to reduce clinker content.

Added value: Leveraging the experience and technological knowhow of the entire Fives Group, the project incorporated Fives’ Pillard ROTAFLAM® multichannel burners and Fives Solios TGT® technology for common kiln, raw mill and cooler gas filtering.

