



fives



SUCCESS STORY

CSN

(PREVIOUSLY HOLCIM BRASIL)

Barroso plant • Minas Gerais, Brazil



Challenge: Holcim needed to significantly increase its Brazilian production capacity while optimizing costs and keeping its environmental footprint to a minimum. To achieve its goals, it decided to invest in a new 4,500 tpd clinker production line. The project required a reliable, high-efficiency grinding raw mill that would be able to handle raw materials that were known to be hard and abrasive.

Response: To respond to these specific needs, Fives supplied its largest grinding mill ever, the FCB Horomill® 4400 and developed an automatic welding solution to simplify and reduce maintenance operations.

Result: The new FCB Horomill® 4400 successfully tested to a 438 tph production rate with an electric-specific consumption of 5.4 kWh/t for the mill only, and 10.8 kWh/t for the mill department.

Added value: The installation achieved low electrical consumption while providing optimal availability in challenging conditions.

420 tph



production capacity
of raw material production
facility, thanks to the
FCB Horomill® 4400