



In December 2017, we successfully completed a **technical audit to one of the Capdeville's LafargeHolcim plant clinker coolers** in Mendoza, Argentina.

Our Objective

The main objective of the audit was to identify the performance/operational conditions of the FOLAX grate cooler, to propose improvements for the operation, and if necessary, modifications to the equipment in order to improve its efficiency and running factor.

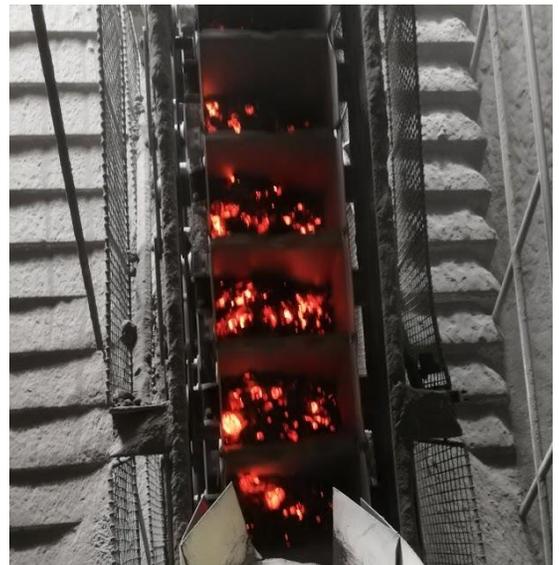


SATAREM's multidisciplinary team, conformed by Engineers from the offices of France and Colombia, together with the staff of the plant, reviewed the cooler operation, identifying the main issues, the system mechanical and process conditions, in particular the actual drive system.

The recommendations

The SATAREM team presented recommendations at short and medium term for the plant. **Short-term recommendations** include adjustments in operation parameters related to the air flow towards the cooler.

It was also recommended to check the cooler alignment at the next kiln maintenance with SATAREM cooler's specialists.



On the other hand the **medium-term recommendations** focus on overcoming the problems related to the inadequate mechanical design of the FOLAX drive system and improving the air tightness, the last one in order to ensure that the cool air goes to the hot clinker instead of the cold zone of the cooler and drag chain. For the mechanical drive, SATAREM proposed to change the actual drive with an hydraulic system such as those implemented by SATAREM in other Lafarge-Holcim group plants and other clients FOLAX coolers.

We thank the human team of LH Capdeville for their great willingness to contribute to the improvement of their process.

Additional information

For more information about our services, equipment supply and spare parts for clinker coolers, please contact us at satarem@satarem.com and carlos.fernandez@satarem.com

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