

Specialty refractory bricks for the foundry's iron channel holder



BACKGROUND
Customers needs



CONCEPT
Calderys solution



SUMMARY
Recap of
the solution



RESULTS
Concrete
benefits

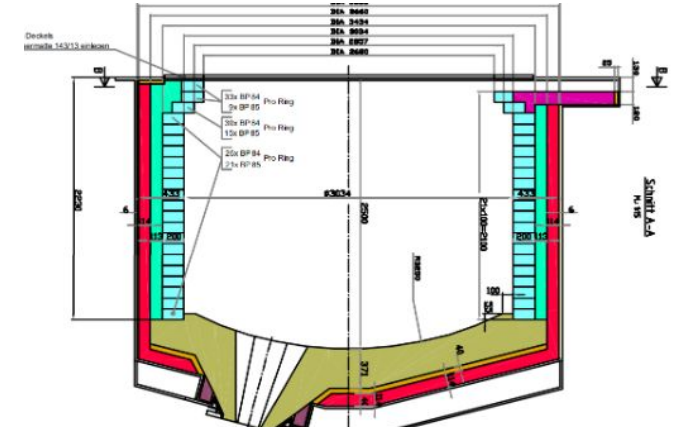
The background situation

Channel holders lined with a combined brick solution have been equipped for decades with high end bricks from a recognized Swedish Competitor in the wear lining area. However, some time ago, they decided to stop their brick production.



The request from the customers

The customers tasked Calderys to find alternative solutions to substitute the current bricks in use, VICTOR Korund 85 PB, by high end bricks that would hold similar performances.



Analysis of the customer request

The front lining of a channel holder is the most critical part of the furnace, as it has to withstand strong **corrosion and erosion attacks**.

The front lining can not be repaired without cooling down the full furnace.

Consequently the expectation is to keep the front lining in an excellent shape for several years without repairs.

Description of the solution developed by Calderys

Calderys analyzed which alternative brick suppliers would be able to deliver the same high-end quality as the Swedish Competitor used to deliver.

Our own Calderys plant in Turkey, Haznedar Durer, has a long history in the production of high-end bricks for the steel industry.

CALDE® BRICK C 90 FM has been identified as the right solution for the channel holder front lining.





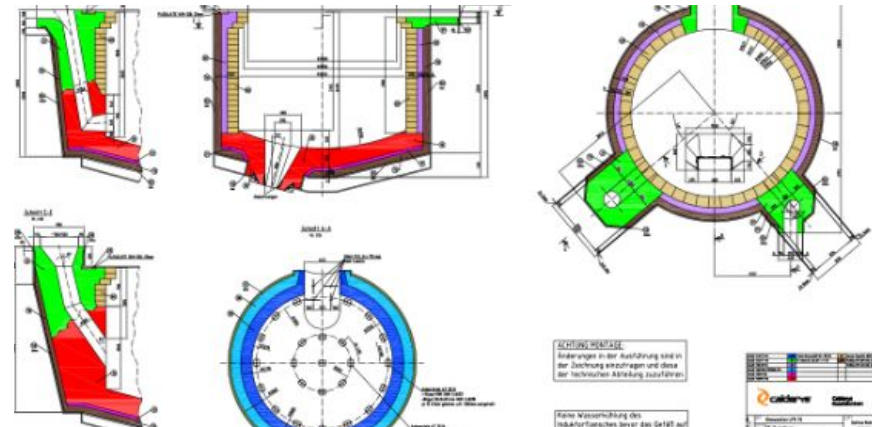
Benefits brought by the solution

Owning the Haznedar Durer production plant allows Calderys to have a full control over the production quality and delivery time of the refractory bricks.

Calderys can provide a full package solution to customers, which includes ramming mixes, dry vibratable materials, castables and mortars needed for the combined brick lining.

The Haznedar Durer refractory bricks range allows Calderys to propose a combined brick lining solutions to customers, leveraging more than 150 years of experience and a global network of foundry experts with local expertise.

HZD products complete Calderys product range allowing Calderys to offer any kind of lining concepts. We just offer the best solution possible pending your needs.



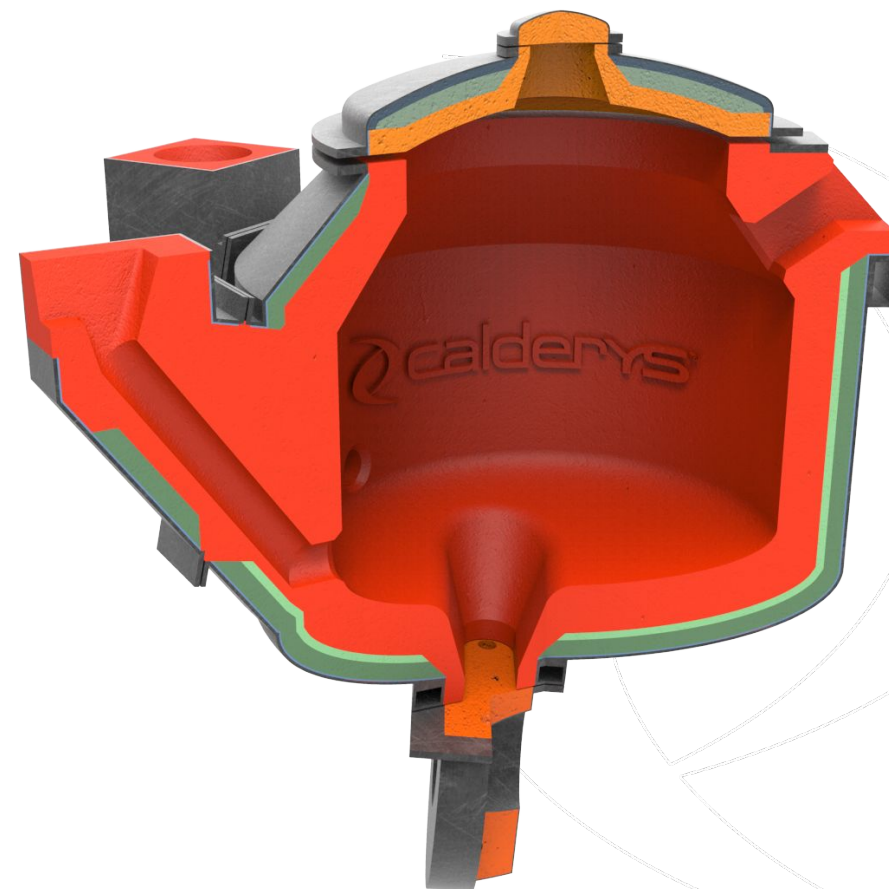


Product presentation

Calderys has worked on a full range of refractory products dedicated to the front lining of iron channel holders. Created to withstand strong corrosion and erosion attacks, the corundum based bricks offer includes CALDE® BRICK C 70 Z, CALDE® BRICK C 65 CR 30, CALDE® BRICK C 85, CALDE® BRICK C 90, CALDE® BRICK C 95. All standard shapes are available.

Services - Expertise

Calderys has a full range of services dedicated to foundries: from material selection and design to installation, maintenance and technical support, we are now offering a full range of digital services to help foundries keep their productivity high.



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