HASLE REFRACTORIES

ISO 9001 : 2015 Management System Certification
BUREAU VERITAS Certification Denmark A/S

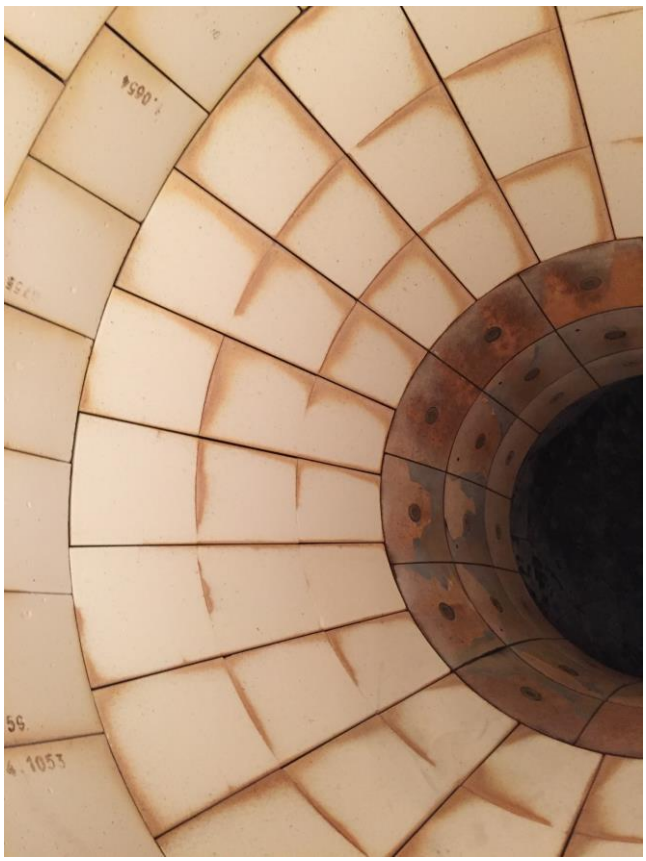
Cracking bricks problem in Gas Turbine solved by changing to HASLE D59A precast

The Danish powerplant, Hilleroed Kraftvarme, with a capacity of 77 MW, has a gas turbine with two horizontal combustion chambers, lined with pressed refractory bricks, protecting the steel from hot gasses of ca. 1100°C. With 150-175 starts and stops per year, lasting 25-30 min. from start to full operating temperature, the bricks were cracking, and a change of lining was required.

After testing, the whole lining was changed to precast elements made from D59A, solving the problem with cracks to the customers full satisfaction. Also, a lifetime of 3-4 times that of a pressed brick was achieved. The tailor-made solution from HASLE even reduced the down time due to erosion significantly.

“HASLE took care of all aspects of these custom-made pre-cast elements to our full satisfaction, at a much smaller cost. I strongly recommend using a HASLE pre-cast solution, if you have short lifetime or cracks in your pressed brick lining”, says Torben Grønbech, Head of Maintenance at Hilleroed Kraftvarme.

All HASLE pre-cast elements are designed, casted and pre-fired up to 1350°C in our state-of-the-art production plant in Denmark. Call us at +45 5695 1800 for more information.



Combustion Chamber refitted with HASLE precast D59A refractories