

**BERTSCH**energy

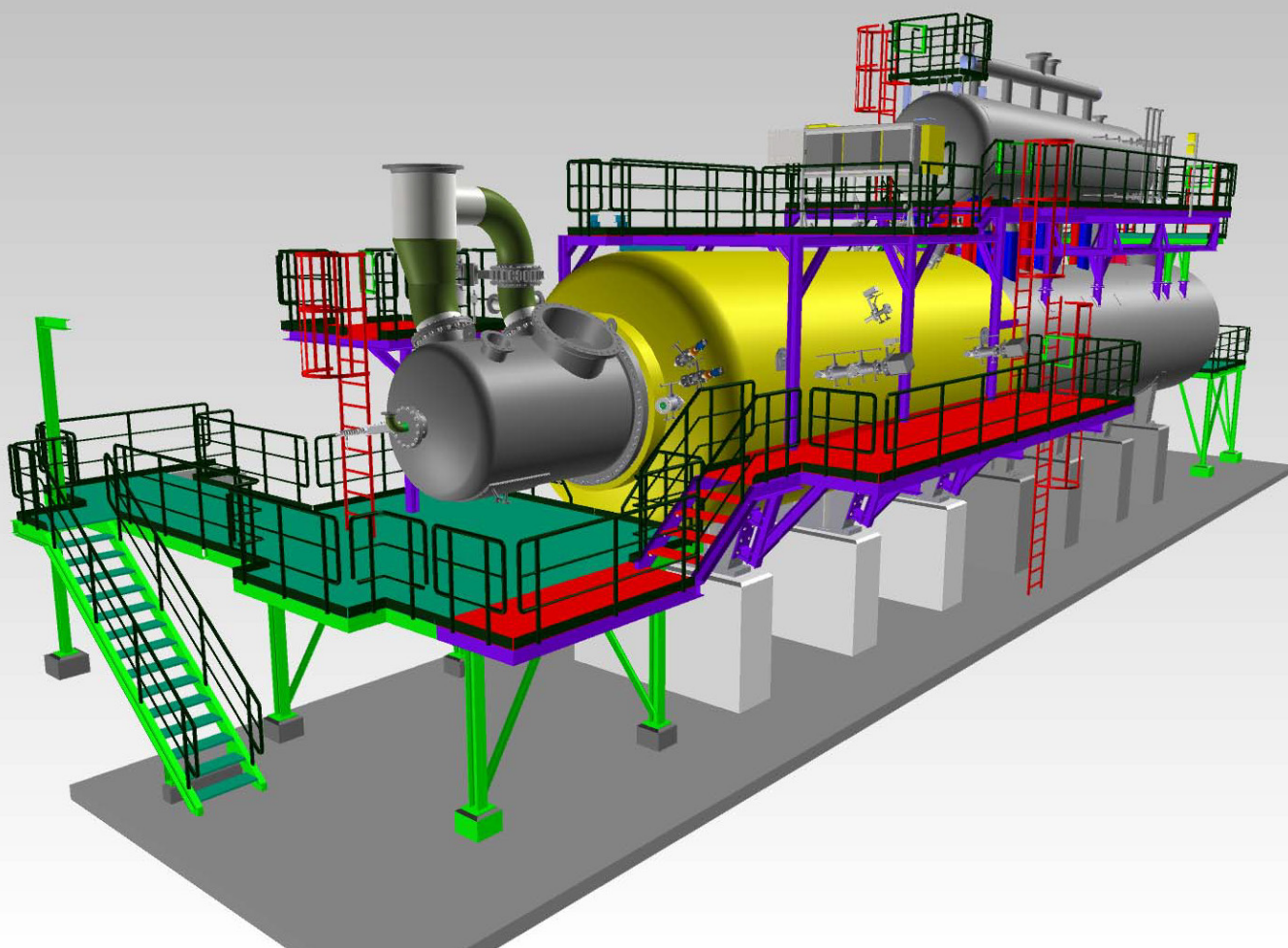
Power Plants  
Process Equipment

95  
YEARS

TRADITION  
QUALITY  
KNOW-HOW  
SINCE 1925

# Retrofit E350001 Claus-plant 2

Reference Sheet



**BERTSCH**

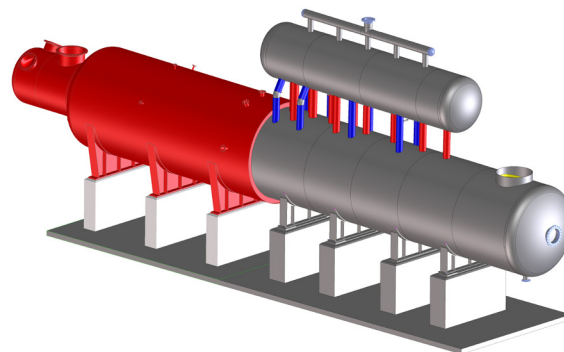
TRADITION, QUALITY, KNOW-HOW. SINCE 1925.

## » Retrofit E350001 Claus-plant 2 «

Germany | Delivery date: 11/2020

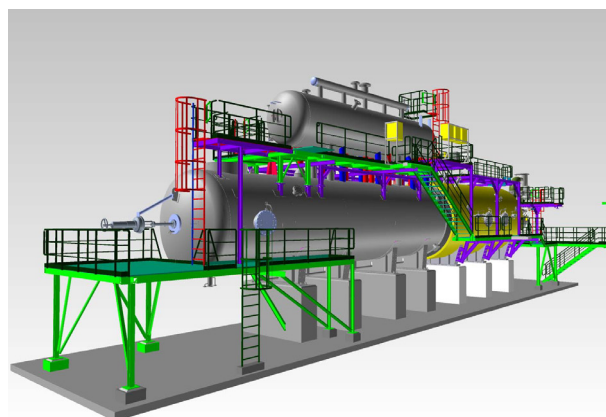
If one of the largest European Claus plant faces troubles with the first thermal stage owners naturally look for new state of the art equipment. Substoichiometric firing and furnace designed with CFD (computational fluid dynamics calculations) and modern compact boiler system design with detailed heat engineering and FEM calculations are the key to a successful revamp.

Because of the importance of this first stage of the process BERTSCH is the right supplier, client is released from the interface responsibility between furnace and boiler system.



### TECHNICAL DATA

- » Complete first thermal process stage of a Claus plant with 700 t/d sulphur throughput and  $\geq 65\%$  sulphur conversion rate
- » Steam production at 100% load approx. 56 t/h at 33 barg



### SCOPE OF SUPPLY

- » Burner and combustion chamber
- » Refractory material
- » EMSR material
- » Heat recovery boiler
- » Steam drum incl. fittings
- » Steel construction for furnace, boiler, steam drum
- » Refractory installation on site

