

**BERTSCH**energy

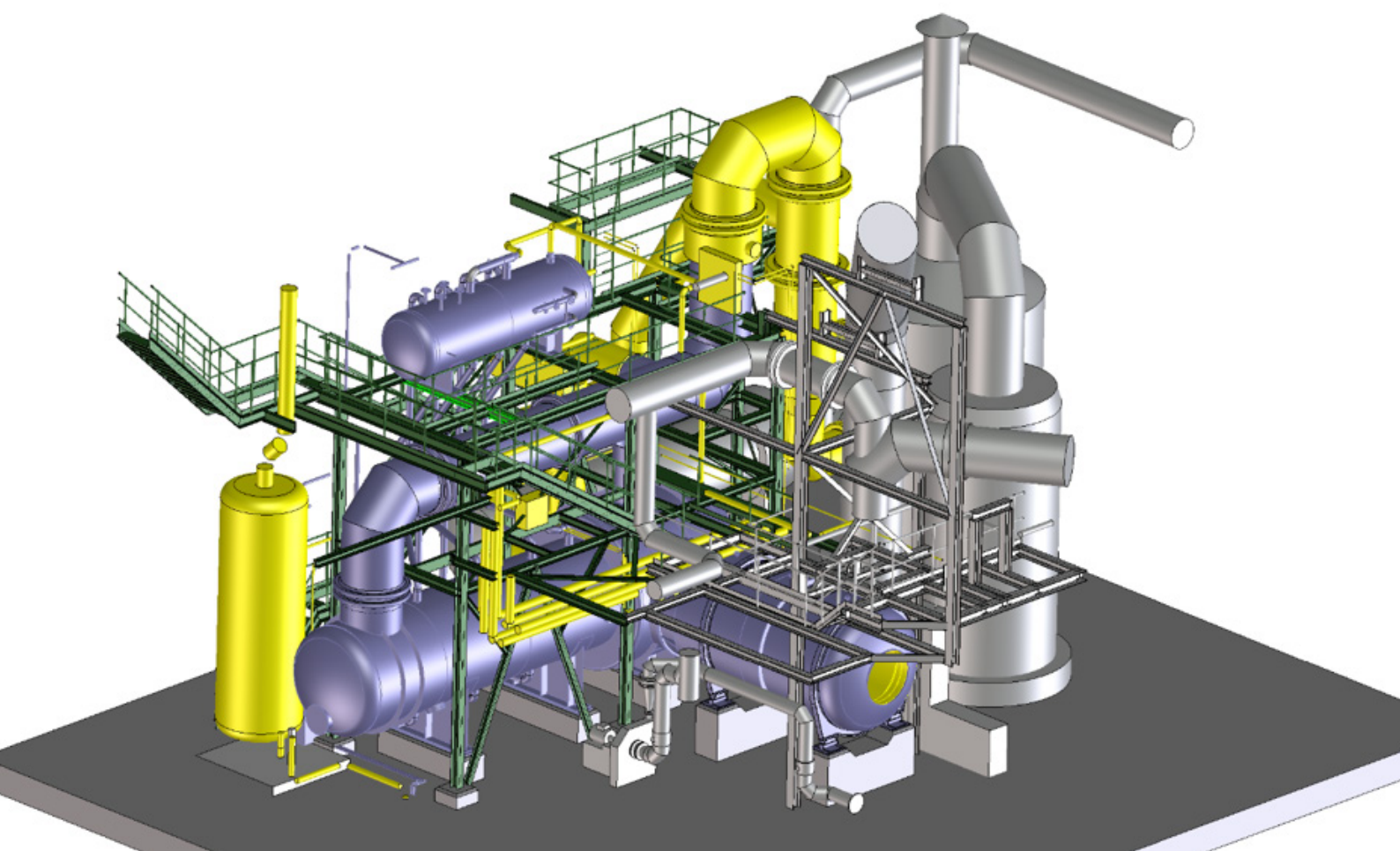
Power Plants  
Process Equipment

95  
YEARS

TRADITION  
QUALITY  
KNOW-HOW  
SINCE 1925

# Sulfur furnace and boiler system for sulfuric acid plant

Reference Sheet



**BERTSCH**

TRADITION, QUALITY, KNOW-HOW. SINCE 1925.

## » Sulfur furnace and boiler system - Full REVAMP«

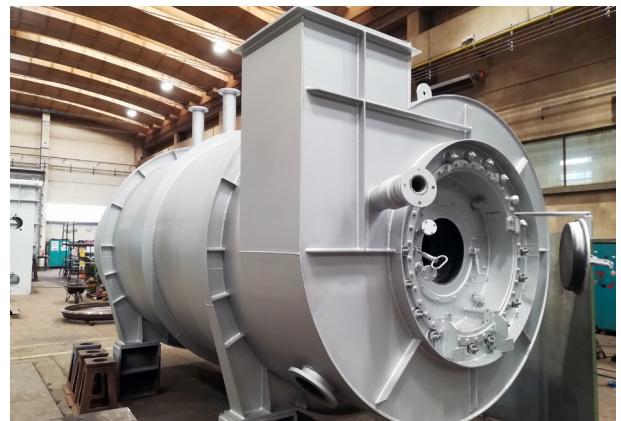


Prayon, Belgium | Commissioning date: Q4/2020

Sulfuric acid plants following 25 years of operation definitely need revamp activities even BERTSCH equipment in these plants installed.

Not only certain pressure vessels that cool the SO<sub>2</sub>/SO<sub>3</sub> rich gas face the end of their lifetime but also auxiliaries (furnace, gas dampers, ducting, piping, platforms, stages) have suffered in the aggressive atmosphere.

Designing, manufacturing and assembly of new equipment based on today's design codes but still fitting in the existing plant is a masterpiece of engineering and project execution.



### TECHNICAL DATA

» Process gas flow max.	47,500 m <sup>3</sup> n/h
» Max. gas inlet temperature	1,000 °C
» Max. gas inlet pressure	0.35 barg
» Max. heat duty	10.5 MW
» Max steam pressure	62 barg
» Max. steam production	23.5 t/h

### SCOPE OF SUPPLY

- » Full REVAMP of furnace body and refractory, boiler system and auxiliaries
- » Dismantling of the old- and erection of the new equipment

