



## SUCCESS STORY

### OVERHAUL OF FOUR NON-BURCKHARDT COMPRESSORS HELPS STEEL MILL BECOMING GREEN

One of Europe's most significant steelmaking companies needed quick help to revive four non-Burckhardt compressors that had not been used in 10 years. The company turns one of its plants into a sustainable steelmaking plant fulfilling all environmental regulations set by the region, the country and the EU. They contacted the OEM and Burckhardt Compression for support. The customer works under a strict time schedule, tight budget and experts are needed for the overhaul of the compressors including auxiliary equipment such as motors and coolers. The company chose Burckhardt Compression because of our expert knowledge of compressors and auxiliary equipment.

#### CUSTOMER CHALLENGES

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- Discharge pressure needed to be increased
- Complete overhaul of four compressors with a tight schedule and tight budget
- All work had to be executed on site only
- Expert maintenance work on motors and coolers needed as well
- One company for the execution of the whole project was preferred (turnkey project)

## APPLICATION DESCRIPTION

Non-Burckhardt Compressors			
Type	Horizontal, 1 stage, 2 cylinders	Gas	Methane
Power	530 kW / 720 hp	Suction pressure Discharge pressure	11 bara / 144 psia 25 bara / 347 psia
Speed	990 rpm	Lubrication	Yes



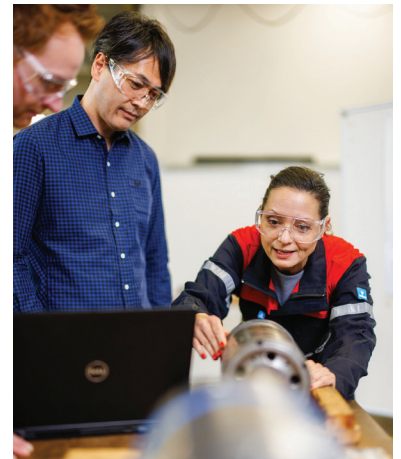
Compressor experts develop state-of-the-art solutions to customer needs.

## BURCKHARDT COMPRESSION SOLUTION

- Major inspection, revamp and upgrade of all four compressors
- Inspection of four electrical motors
- Refurbishment of four lube oil coolers
- Update of instrumentation
- Performance calculation for increasing discharge pressure
- Spare parts supply

## CUSTOMER BENEFITS

- One-stop solution for the complete project
- All of Burckhardt Compression's expertise available through global network
- Expertise for other brand compressors available within Burckhardt Compression
- Fully customized solution responding exactly to the customer's needs
- Open communication with the customer to keep project on track
- Solution delivered on time and on budget



Implementing latest technology improves the overall compressor performance.

**"The most challenging issue during the project execution was the fact that the gas turbine fed by the compressors could not operate within the conditions of the original design. The requested overhaul of four compressors was extended to also include a discharge pressure increase. Thanks to our global network of experts and broad knowledge in our organization, we could help the customer without any impact on the turnaround schedule."**

Lorenzo Pizzicara, Project Manager, Burckhardt Compression

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