

BERTSCHenergy

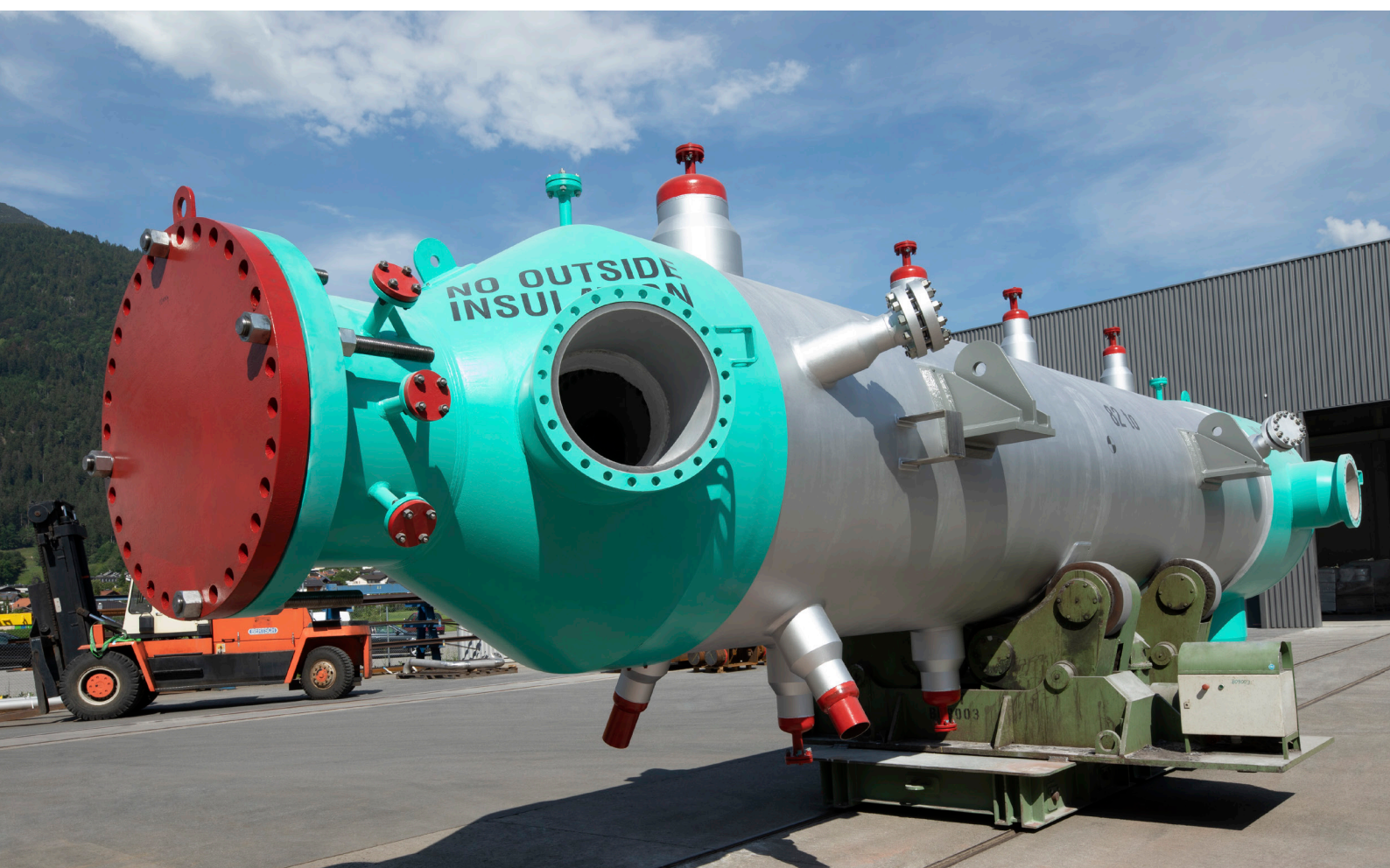
Power Plants
Process Equipment

95
YEARS

TRADITION
QUALITY
KNOW-HOW
SINCE 1925

Process gas cooler in ammonia plant

Reference Sheet



BERTSCH

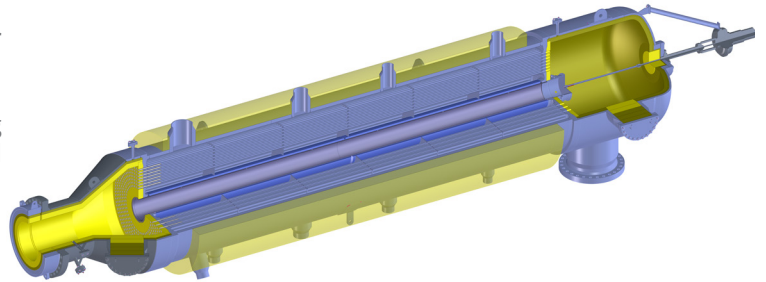
TRADITION, QUALITY, KNOW-HOW. SINCE 1925.

Process gas cooler in ammonia plant - REVAMP

Austria | Delivery date: 06/2019

High pressure process gas cooler following secondary reformer installed in an existing ammonia plant.

Several improvements (larger heating surface, safer connection between gas chambers and main body, ...) in comparison with original cooler have been engineered. Nevertheless no decisive adaptations of surrounding equipment have been necessary, which was a key goal of the owner.



TECHNICAL DATA

» NH ₃ -production of plant	730,000 t/h
» Process gas flow max.	144,300 kg/h
» Heat output	53 MW
» Design pressure boiling water/process gas	138 / 39 barg



SCOPE OF SUPPLY

» Process gas cooler
» Gas mixing and flow control instruments
» Refractory lining

