

# BERTSCHenergy

Power plants  
Process equipment

90  
YEARS

TRADITION  
QUALITY  
KNOW-HOW  
SINCE 1925

## Sugar Refinery Nigeria

Reference Sheet



**BERTSCH**

TRADITION, QUALITY, KNOW-HOW. SINCE 1925

## »HRSG (Heat Recovery Steam Generator) downstream a Siemens SGT-400 (12.5 MW<sub>el</sub>) gasturbine«

Two lines were installed for the reliable supply of electricity and steam to a sugar refinery. Each of these lines consist of a combined-cycle cogeneration HRSG boiler and a waste heat boiler. The waste heat boilers have auxiliary firing that can operate with gas as well as oil, and that compensates energy input in fresh-air mode should the gas turbine come to a standstill.

The delivery spectrum also consists of the entire condensate management and all electronic and control equipment.

### TECHNICAL DATA

Steam flow (MCR) (HP)	110 t/h
Steam pressure (HP)	10 bar
Steam temperature (HP)	saturated steam
Flue gas flow	40 kg/s
GT outlet temperature	567 °C
Additional firing	50 MW
Fresh air operation	73 MW

### SCOPE OF SUPPLY

- » Boiler incl. burners and fresh air system
- » Diverter with bypass stack
- » Condensate and feed water system
- » Let down station
- » All pipe work inside the plant
- » Electrical and control system
- » Services by customer
- » Civil works

