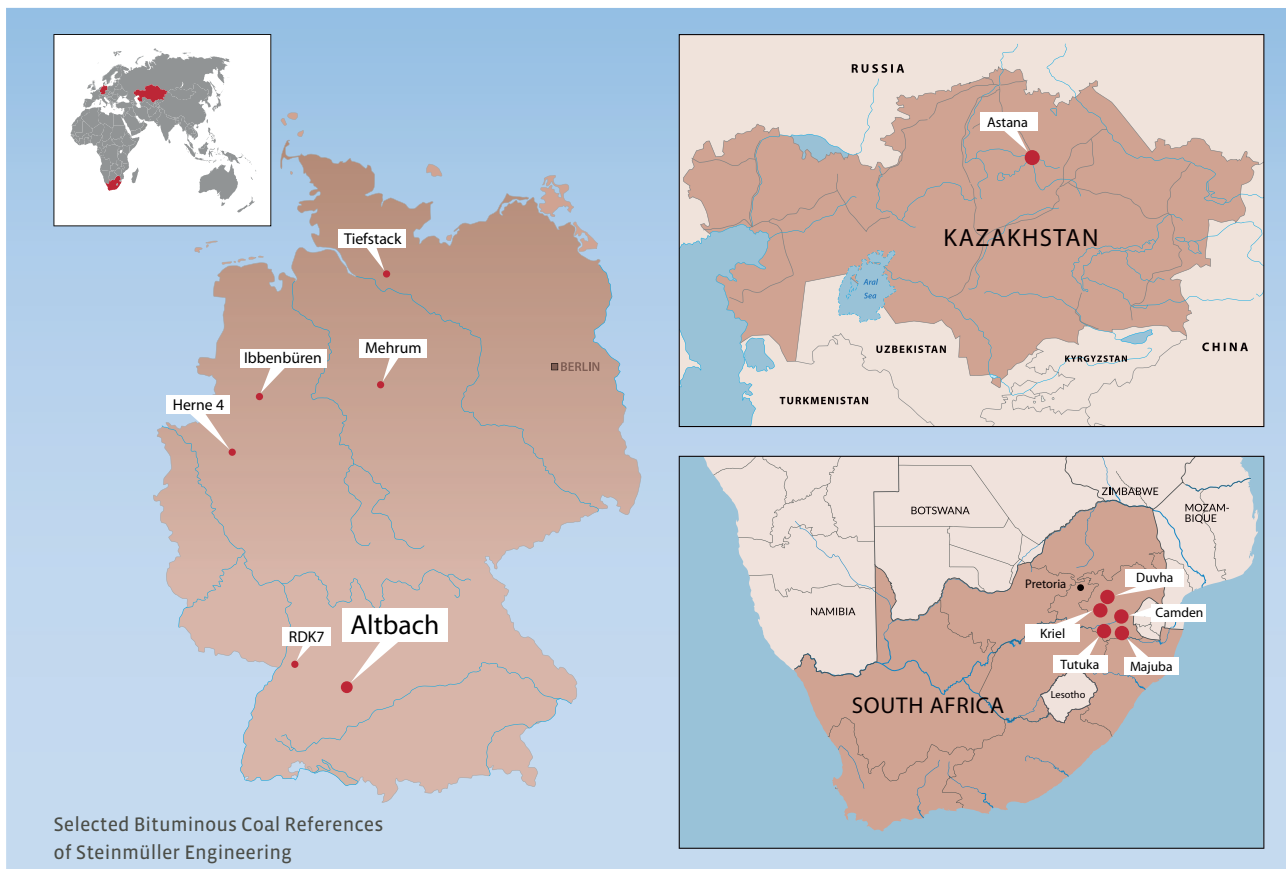


# CHP Altbach, Unit 2

330 MWeI, 1014 t/h

LowNO<sub>x</sub> Firing System for Bituminous Coal



### Achievements:

**Capacity increase: 940 to 1014 t/h (+10%)**

**NO<sub>x</sub>: 310 mg/m<sup>3</sup> for original coal range**

**NO<sub>x</sub>: 420 mg/m<sup>3</sup> for new widened coal range**

**CO : 100 mg/m<sup>3</sup>**

(STP @6 % O<sub>2</sub>)

**Fuel: Bituminous Coal (World Coal)**

**Boiler design:** Tower type, Benson steam generator with Steinmüller all-wall firing system

### Scope of Supply:

- Replacement of 12 LowNO<sub>x</sub> burners
- Refurbishment of pulverisers
- Modification on forced draft (FD) fan
- Replacement of the FD drive motor including the addition of a frequency converter
- Refurbishment of air preheater
- All the above considering the 10% boiler capacity increase

### Literature can be provided on request

- PowerGen Europe 06-2013 "Combustion optimisation, efficiency improvements and emission reduction by installation of modern LowNO<sub>x</sub> firing systems on existing bituminous coal and lignite coal-fired steam generators"

Please contact us for further information.

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