Südzucker Zeitz

Application: Circulating Fluidized Bed (CFB)
Efficiency solution: Infrasound Cleaning
Cleaning area: Economizer, Air Preheater

General info

Plant: Sudsucker Zeitz, Germany
Boiler: Babcock-Hitachi
Fuel: German Brown Coal (lignite)
Capacity: 128 MW_{th}

Installation

Type: 2x APX7000
Year of installation: 2016

Situation description

Keeping the economizer and air preheater clean required extensive steam soot blowing 5-6 times per 24 hours.

The infrasound generators were installed to minimize the need for soot blowing and to prepare the boiler for a planned boiler load increase.

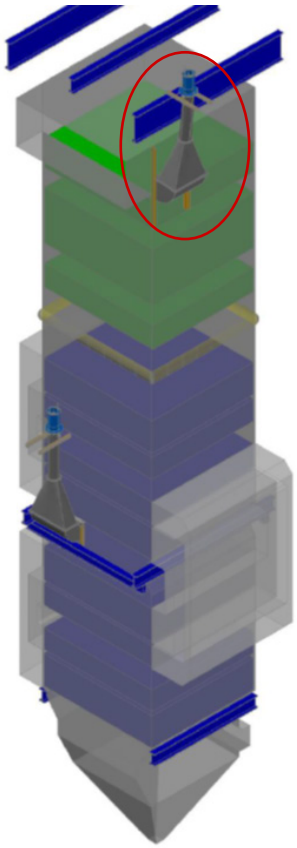


Figure 1. Infrasound Cleaner location (Red circle)

Wave Impact Heat Management AB
E-mail: info@heatmanage.com
Phone: +46 8-661 33 10

Results

- Operating without almost eliminated steam soot blowing. Steam soot blowing has been reduced from 5-6 times/day to once per week
- Stable flue gas outlet temperature. See trends below

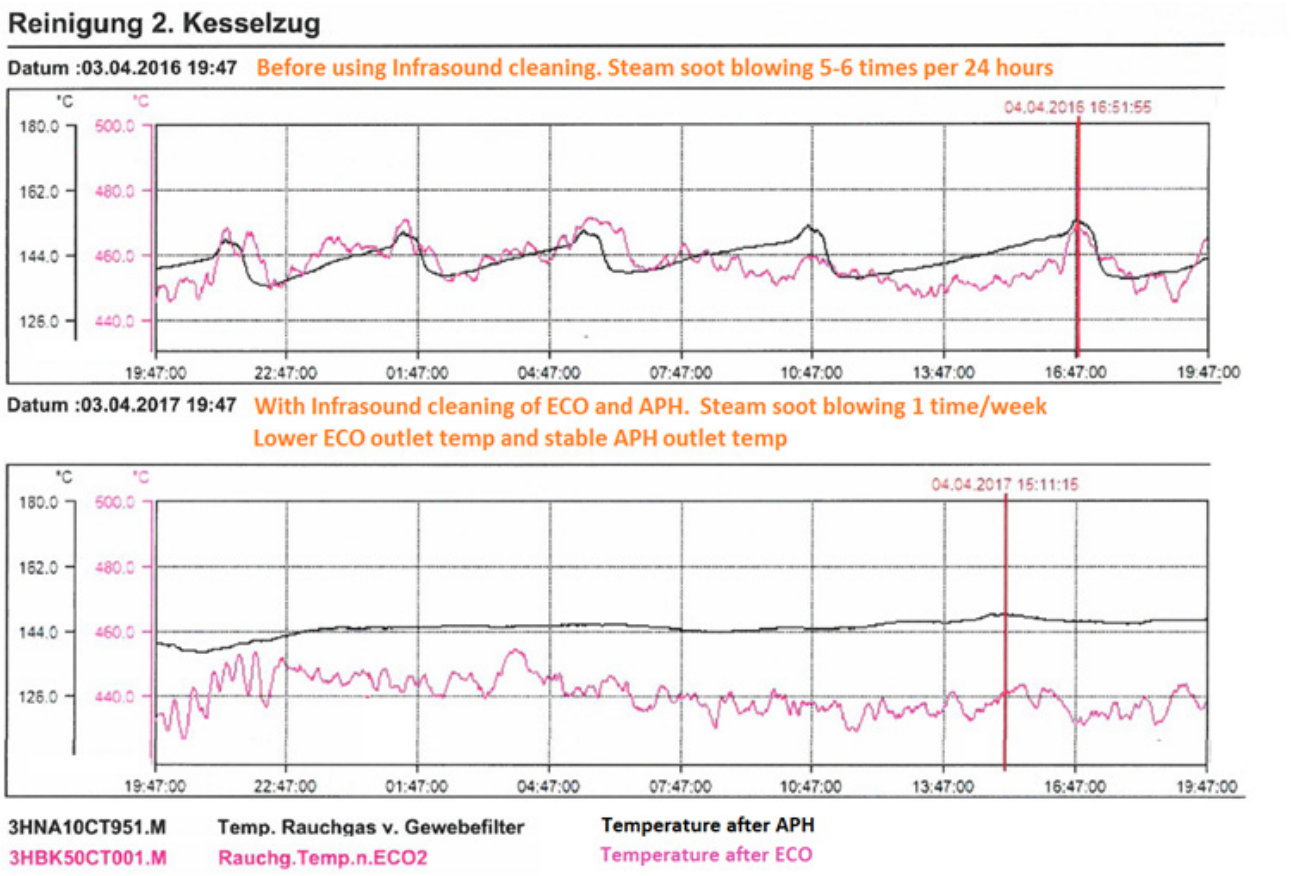


Figure 2. Flue gas temperature trends

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