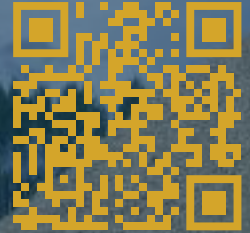


CASE STUDY

Emisshield in Biomass

CHASENEDROW.COM



Customer

E.ON Sverige AB

Overview

- Application:
Combustion Chamber
Process Tubes/Boiler Tubes
- Substrate:
Refractory and Boiler Tubes

Biomass District Heating Plant In Mora, Sweden

- Size 10MW
- Combustion System – ETT – Walking Gate
- Boiler System – Osby
- Process Tubes – Hot Water/Gas flow through inside of tubes/420 tubes, 64-52mm inside diameter
- Condenser
- Baghouse/Air Monitoring
- Fuel Processing: Wood Chips and Bark
- Continuous Air Emission Monitoring



Emisshield Benefits

- Increased Production Efficiency by 10%.
- 10% Less Fuel and 12% Reduction in Fuel Cost
- NOx – Reduced 20-25%
- CO – Reduced 40-50%
- CO2 – Reduced 10%
(Calculated Basis)
- Particulate – Reduced 20+%
- Increased Life of Refractory and Metal Components
- Reduced Maintenance
- Reduced Flyash Generation and Disposal Costs
- Reduced Slagging and Soot Formation