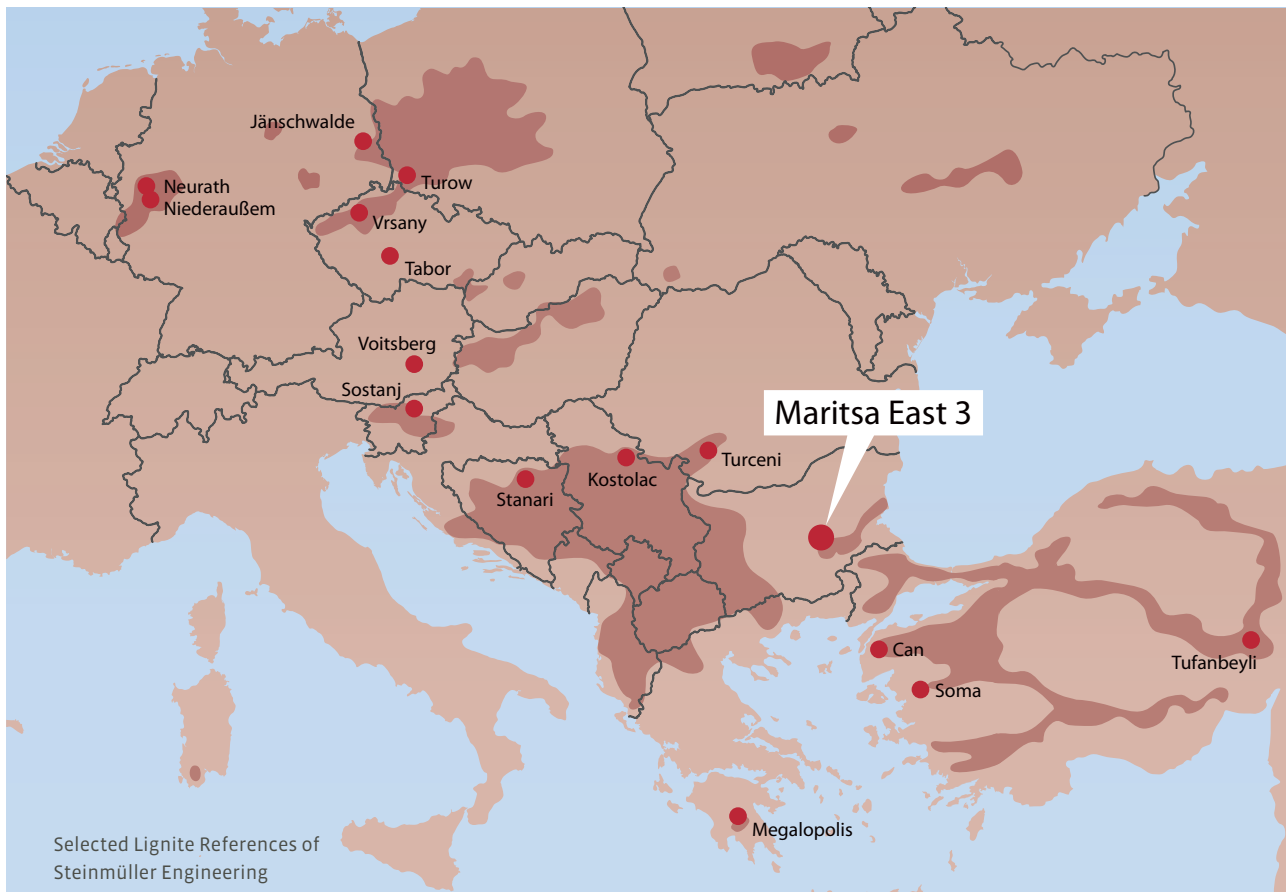


PS Maritsa East 3

4x227 MWel, 4x730 t/h

LowNOx Lignite Firing System



Achievements:

NO_x: 150 – 180 mg/m³

CO: 30 – 80 mg/m³

(STP @ 6 % O₂)

Fuel : Bulgarian Lignite (a.r.):

LCV: 6 – 7 MJ/kg (1.4 – 1.7 Mcal/kg)

w: 50 – 60 %

a: 10 – 21 %

S: 1.5 – 3.0 %

N: 0.35 %

Scope of Supply:

- Process engineering
- 3D CFD modelling
- Mechanical design
- Lignite burners
- Over fire air system
- Sidewall air system

Literature can be provided on request

- VGB PowerTech 10-2013 “Revamping of a lignite fired boiler with less NO_x emissions”
- VGB PowerTech 10-2015 “Challenges for a European Utility considering the EU Directive on Industrial Emissions by the end of 2015”

Please contact us for further information.

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