



## **ASTRA International Engineering Ltd. , Croatia**

**Project: Overhaul of Electrostatic Precipitator**  
(Ref list items: 6, 12)

**Purchaser: Elektroprivreda of the Republic of Srpska,  
Bosnia and Herzegovina**

**Financing: IDA**

**End User: Thermal Power Plant Gacko (1 x 300 MW)**

Together with Astra International as prime contractor and our partner P & B , Slovenia we have performed the following:

- design and consulting
- delivery of equipment
- supervision of installation
- start up and commissioning

for the overhaul of Electrostatic Precipitator by reconstruction of the old fields and installation of the new fields.

Precipitator was operating for 25 years and its performances were extremely bad. We have improved its performance so that achieved outlet dust loading was 0.1g/Nm<sup>3</sup> (with inlet dust loading of 46 g / Nm<sup>3</sup>). New system efficiency is 99.78%. Our specific technical solution enabled that during dismantling and installation power plant shut down was only two months. We also managed to extent precipitator in the existing narrow area without disturbing installations in other plant facilities.





### **Part of new rectifying units**

In our contract we have delivered following equipment and systems:

- Steel structure and insulation
- Transformer rectifiers
- Electrodes
- Rapping and ash transport system
- Auxiliary motor drives
- LV control and distribution panels, cables, lighting and earthing systems
- Instrumentation and SCADA
- LV power and control panels and variable speed drives for new compressor station



### **Testing SCADA**

All works were finalised in contracted period and successfully handed over to the Client