

Maritza East 1 Power Plant

Higher safety at work

Within one year, the team from G+H insulated the boilers as well as its ducts and pipelines in Units 1 and 2 of the Maritza East 1 Power Plant in Bulgaria.



Insulation

Fire Protection

Noise Control

Occupational safety, quality assurance, and energy efficiency play an important role in power plants since the varying temperatures in the systems must be maintained at a constant level. A professional insulation not only ensures the employees are protected and the end product is of high quality, but also leads to lower energy losses. That is why G+H Insulation deployed almost 400 installers at the peak to insulate the various parts of the coal power plant.

CUSTOMER

AES-3C Maritza East 1 Ltd. resp.
ALSTOM Power Systems

PROJECT

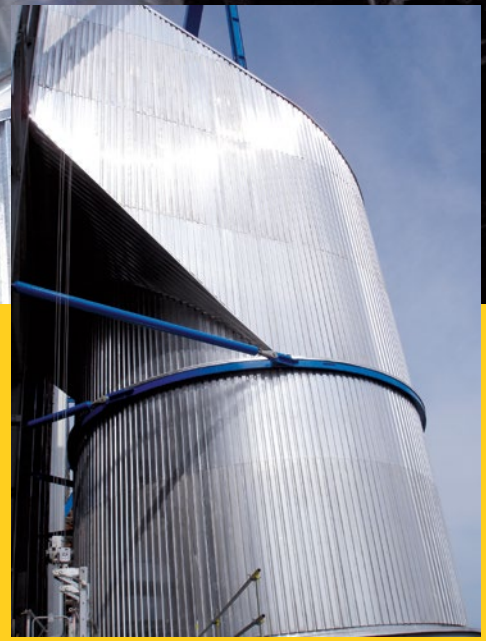
Thermal and acoustic insulation on two boiler systems of a coal power plant

PERIOD OF EXECUTION

10/2009–10/2010

SURFACE INSULATED

130,000 m²



Due to poor weather conditions and delays in the roofing work, G+H Insulation and G+H Montage Bulgaria, the subsidiary responsible for Bulgaria, experienced difficult work conditions. That is why the company needed to expend a lot of time and effort to coordinate the necessary scaffolding work. This prevented overlapping with unfinished parts of the plant and enabled the work to be performed efficiently in a short period of time. G+H, in cooperation with BIS OKI Pforzheim,

installed 40 to 400 mm thick mineral wool mats with RAL quality mark around the boilers as well as its ducts and pipelines. The installers encased the boilers with flat galvanized and aluminum sheet metal or trapezoidal sheet metal. The casing offers additional protection against corrosion. Thanks to the smooth execution, all deadlines were met and the customer was very satisfied.

TASK

- Thermal and acoustic insulation on a total surface area of 130,000 m² under difficult conditions
- Improvement of occupational safety
- Maintain the quality requirements placed on production
- Reduction of energy losses

SOLUTION

- Coordinated scaffolding work
- 40 to 400 mm thick mineral wool mats with the RAL quality mark
- Flat galvanized and aluminum sheet metal or trapezoidal sheet metal

ADVANTAGES

- Greater protection of employees
- Ensured quality of product manufacturing
- Energy-efficient plant units