Research Report ই



RESEARCH AND MONITORING EMITTED AIR POLLUTANTS FROM FLUE GASES

Goal of the project

Identification, evaluation and monitoring of air pollutants, NO, NO2, NOx, CO, CO2, O2, NH3, VOC, Zn, particles and thermodynamic parameters from several sources at Berg Banat Făgăraş zinc platting plant.

Short description of the project

The project consists in quarterly measurements of air pollutants resulted from the zinc platting main activity of the BERG BANAT Făgăraş branch plant. Thru these measurements the plant operator tunes its equipment's both for productivity and quality of its products and environmental protection.

Project implemented by

Politehnica University of Timisoara/ Faculty of Mechanical Engineering

Implementation period

18.03.14 - 22.12.14

Main activities

- Quarterly measurements episodes for air pollutants NO, NO2, NOx, CO, CO2, O2, NH3, VOC, Zn, particles.
- Thermodynamics parameters of flue gases and residuals are also monitored to optimize the zinc platting procedures.

Results

An extensive database for main air pollutants for large zinc platting industrial units.

Applicability and transferability of the results

- Zinc Platting emissions,
- Thermodynamics,
- Environmental engineering,
- Environmental protection,
- Combustion.



Financed through/by

BERGBANAT, Fagaras Branch

Research Centre

Research Center for Thermal Machines and Equipment, Transportation and Pollution Control

Research team

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