

SIMBAT

Integrated system for master control of coke oven battery operation is the world's very first digital simulator of coke oven battery operating in real time. It is dedicated to battery performance management and comprises of process simulator and automatic module for exploitation parameters control.

The solution meets the requirements of Best Available Techniques stated in BAT conclusions, pos.: 1.1.2, 1.1.7.

Advantages:

- ▶ Improvement of the production process efficiency and uniform quality of the product
- ▶ Optimization of battery capacity and energy consumption for the battery heating
- ▶ Improvement of coke oven battery management and its exploitation control
- ▶ Quick and safe testing of coke oven battery set ups configuration before their implementation to actual operation
- ▶ Current visualization of physical parameters of every heating channel and battery oven
- ▶ Testing of various operational points of battery/facility

Application:

- ▶ At coke oven plant – the support of decision making processes of battery management and control
- ▶ Education and training tool for coke oven plant workers, junior engineers and students
- ▶ Sharing – license



Z.432406 „SIMBAT” – trade mark application

