SIMETAL\textsuperscript{CIS} Coke CPMS

Helps you to optimize your battery heating

SIMETAL\textsuperscript{CIS} Coke CPMS is an optimization package for efficient and stabilized operation of coke ovens. Its dynamic scheduling calculations and heating control models provide fast up-to-date information of the coking process that supports the optimization of the coke battery in the most fashionable way.

Your challenge:
Environmentally sustainable development is an important issue in coke production today. Pollutants are an inevitable by-product of the coking process. With good plant design and operation, however, emissions can be cut to low levels or eliminated altogether. In controlling the coke battery the main objective is to keep the coking process as stable and as free from disturbances as possible, while producing coke of excellent quality responding to the requirements of the blast furnace operations. These priority studies must be achieved whilst taking particularly care of minimizing energy costs and environmental pollution, and ensure increased productivity and maximum battery service life. Applying constant and effective coking process control and optimization will attain these different objectives.

Our solution:
In order to optimize process control and facilitate the operators’ work, Siemens VAI proposes SIMETAL\textsuperscript{CIS} Coking Process Management System (CPMS) as a state-of-the-art L2 control system for the customer’s coke ovens. The system developed by Siemens VAI in Finland is in operation at coke batteries worldwide. Through the real-time functions CPMS provides fast and up to date information of the status of the process in such a manner that supports a decision making in controlling the battery. As an integrated package, Siemens VAI can also supply the coke battery L1 control system and/or the positioning & interlocking system for coke oven machines together with the L2 system.