

BOF DePhos part I: Thermochemical Modelling in the BOFdePhos Project

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The BOFdePhos project is a European Coal and Steel Community (ECSC) funded project among six partners in England, Germany and Sweden. It aims at an indepth understanding and improvement of the de-phosphorisation during the BOF process.

In the project GTT and the partner SMS Group have taken on tasks related to thermochemical modelling of the process, e.g. the generation of a self-consistent thermodynamic database as well as the design and operation of a flowsheet-type process model that uses interlinked local equilibria.

Overviews will be given concerning the present state of the thermodynamic database as well as the model design. Finally, results of the calculations carried out thus far will be presented.