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Burden distribution modeling to diagnose blast furnace operations

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This paper presents the Hatch burden distribution model and use cases where the model has been able show blast furnace operators how changes in the burden distribution pattern can help their blast furnace operation. Two cases will be presented, the first to show how the model helps to visualize the impact of the bell less top chute wear on the burden distribution profile. The second to show how the model can be used to illustrate burden distribution profile changes within the blast furnace when charging coke from the center to the wall.

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