Siemens and Baosteel cooperate in slag granulation solutions

- **Baosteel Slag Short Flow technology used for granulation of converter and electric arc furnace steel mill slag**
- **Joint marketing and project implementation agreed**

Siemens Metals Technologies and Baosteel Engineering & Technology Group Co. Ltd., a subsidiary of the Baosteel group, will be cooperating in future in the granulation of slag produced in BOF converters and electric arc furnaces. Their collaboration focuses on joint marketing and implementation of the Baosteel Slag Short Flow (BSSF) technology in steel mills worldwide, with the exception of China and Korea. The agreement is exclusive for its agreed term. Siemens already offers solutions for slag granulation from pig iron production in blast furnaces.

Slag from steel production in BOF (LD) converters and electric arc furnaces can, for example, be used as material in road or railway track bed construction. In the BSSF granulation process developed by Baosteel, the liquid slag is transferred to a granulation drum where it is treated with injected water with a dwell time between three and five minutes, which significantly reduces the amount of unreacted free lime. The hermetically sealed vessel and central vapor extraction system ensure that all emissions of dust and hazardous substances are avoided. The process is already in use at Baosteel and several other Chinese steel producers, the Korean Posco group and the Indian JSW company. The batch-wise operating BSSF plants have short process times and a compact design. They achieve a high level of slag and crude steel metal separation, uniform granulation and a consistently high quality in the end products.
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This press release and a press picture are available at
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BSSF plant at the Baosteel subsidiary Ningbo Iron & Steel. Siemens and Baosteel are collaborating on solutions for the granulation of slag from BOF converters and electric arc furnaces (Source: Baosteel).

Further information about solutions for steel works, rolling mills and processing lines can be found at www.siemens.com/metals.
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