



Press Releases

Contact

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PRESS RELEASE

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In December 2018, AUMUND Fördertechnik GmbH, Germany, will dispatch an HBI evaporation cooler system to Cliffs, the operator of a Hot Briquetted Iron (HBI) Plant in Toledo, Ohio, USA. AUMUND's patented technology consists of two FPB-K pan conveyors with centre distances of 72 m. Cleveland-Cliffs Inc. is constructing a new HBI works at this location close to Lake Erie.



Patented AUMUND HBI evaporation cooler system (example, photo AUMUND)

The greenfield project will utilise the existing port infrastructure on Lake Erie, and MIDREX was selected as general contractor to supply the direct reduction plant.



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German conveying equipment specialist AUMUND, as subcontractor to MIDREX, is supplying one of the most important elements of the whole process, the HBI cooling lines. The decision-makers involved in the project have given their vote of confidence to the evaporation cooling process patented by AUMUND. In this HBI-Slow-Cooling process, the HBI product to be conveyed is cooled from 750 to 90 degrees Celsius in a process which protects the integrity of the product. AUMUND guarantees a handling throughput of up to 285 tph at a nominal conveying capacity of 142 tph.

The first installation of its kind was successfully completed by AUMUND in Venezuela in 2006. After this pilot project, AUMUND won further HBI orders in Russia and the United States. "Today, after constant optimisation of details, the technology has reached such a state of maturity that both operators and general contractors increasingly favour the AUMUND solution over traditional methods", says AUMUND's Sales Director Metallurgy, Matthias Moritz.

Cleveland Cliffs Inc. is one of the largest iron ore producers in the USA, with mines and pelleting plants in Michigan and Minnesota, as well as in Western Australia.

About the AUMUND Group

The AUMUND Group is active worldwide. The conveying and storage specialists have special expertise at their disposal when dealing with bulk materials. With their high degree of individuality, both its technically sophisticated as well as innovative products have contributed to the AUMUND Group today being a market leader in many areas of conveying and storage technology. The manufacturing companies AUMUND Fördertechnik GmbH (Rheinberg, Germany), SCHADE Lagertechnik GmbH (Gelsenkirchen, Germany), SAMSON Materials Handling Ltd. (Ely, England), as well as AUMUND Group Field Service GmbH and AUMUND Logistic GmbH (Rheinberg, Germany) are consolidated under the umbrella of the AUMUND Group. The global conveying and storage technology business is spearheaded through a total of 15 locations in Asia, Europe, North and South America and a total of five warehouses in Germany, USA, Brazil, Hong Kong and Saudi Arabia.

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