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BRONER METALS SOLUTIONS HEADLINES

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Broner Completes MES Projects for Pipe Mills at Vyksa Steel Works

May 27, 2011

Vyksa Steel Works in Russia is now using Broner MES solutions to improve production in its Electric Weld Large Diameter Pipe Complex (LDPC) for pipes up to 1420 mm in diameter, and in the Pipe Electric Weld workshop 3 (PEWS-3).

In a phased implementation, with differing solutions for each workshop, Broner Metals Solutions has worked jointly with Vyksa to implement MES production, inventory and quality management and tracking solutions, as well as an Automated Pipe Traceability System. All of these systems are now live in production, providing real-time monitoring and control of production operations.

A Production Monitoring, Dispatching and Analysis solution covers the pipe production lines at LDPC, recording all production data, providing real-time monitoring and control, and making this information available for efficient decision making. It provides a range of functions such as production dispatching, execution and tracking; inventory management for finished pipes; quality control management; and KPI monitoring and reporting.

The Automated Pipe Traceability System for PEWS-3 links into the separate pipe marking and identification equipment and provides steel coil technical data; pipe traceability at each section of the technological shop; collection and archiving of pipe production, technical, and quality data; and integration with ERP system.

David Mushin, Chief Executive of Broner Metals Solutions, said: "The solution was implemented in partnership with Vyksa, using both Broner and Vyksa resources. Initially integrated with Oracle, Broner provided consultancy to assist Vyksa to migrate the ERP interfaces to SAP, using the Broner Integration module based on TIBCO."

Vyksa Steel Works is part of the **United Metallurgical Co. (OMK)**. OMK comprises five large metallurgical plants in Russia: Vyksa Steel Works, Almetyevsk Pipe Plant (Republic of Tatarstan), Chusovoy Steel Works and Gubakha Coke (Perm Region), and Shchelkovo Steel Works (Moscow Region). Vyksa Steel Works is an integrated steel plant with a capacity of up to 2 million tonnes of pipes per annum, operating in the Nizhny Novgorod region of Russia. The main products are steel pipes with diameter ranging from 15 to 1420 mm with a wall thickness of up to 48 mm.

Broner Metals Solutions is part of **Hyperion Systems Engineering Ltd.** and specializes exclusively in delivering metals specific, MES, planning, scheduling and supply chain solutions to the steel and aluminum industries. Broner solutions help metals producers by improving customer service, improving productivity, and reducing costs. Solutions range from business optimization and order promising, through production and material planning, integrated / through-scheduling, production scheduling, to MES production, quality, inventory and equipment management and warehouse management.



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