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## Advanced Planning and Scheduling (APS)

Advanced planning, scheduling, execution, and improving quality control functionality.

### New Scheduling solution for Mittal Steel South Africa

08 February 2007

 EMAIL ARTICLE  PRINT ARTICLE

New Broner Metals Solutions will increase production efficiency, improve deliveries, and reduce inventories

Broner Metals Solutions, a leading provider of supply chain planning, scheduling and manufacturing execution systems specifically for the Metals Industry, has announced that it has been awarded a major project to provide Scheduling solutions at the Vanderbijlpark works for Mittal Steel South Africa.



Vanderbijlpark is the largest of the four plants of Mittal Steel South Africa, and represents an unusually challenging, planning and scheduling environment, because of the wide variety of plate and strip products and the intricate product routings required within the works. Broner will provide a comprehensive scheduling solution to manage the Electric Steelmaking, Oxygen Steelmaking, Hot Strip Mill and the Plate Mill areas of the plant.

The project will use Broner's standard metals supply chain modules for scheduling the four plant areas, each of which has their own special production constraints and complexities. The Broner solution will be implemented using packaged modules, which encapsulate 20 years experience in managing the complex rules and constraints of steel manufacture. The solution includes the Broner Caster Scheduler, Hot Mill Scheduler, Schedule Editor and Melt Shop Control Centre modules, which will be fully integrated with SAP ERP modules and with MES functions, based on the InfoPlus.21 family of MES products already supplied by Broner. This will result in a comprehensive supply chain management solution that will deliver more agile manufacturing and improved customer service.

#### About Mittal Steel South Africa

Arcelor Mittal is the world's number one steel company, with 330,000 employees in more than 60 countries. The new company brings together the world's number one and number two steel companies, Mittal Steel and Arcelor. Mittal Steel is the world's largest and most global steel company, with shipments of 49.2 million tons and revenues of over \$28.1 billion in 2005. Mittal Steel has operations in 27 countries, on five continents.

Mittal Steel South Africa is the African continent's largest steel producer, with a steelmaking capacity in excess of 7 million tons per annum. Mittal Steel South Africa has four steelmaking operations - Vanderbijlpark Steel and Saldanha Steel (flat products) and Newcastle Steel and Vereeniging Steel (long products). It also has a metallurgical by-products processing division, Coke & Chemicals.

Vanderbijlpark Steel is an integrated flat products plant that produces 3.5 million tons of liquid steel a year and comprises:

- \* Six coke oven batteries
- \* One sinter plant (two strands)
- \* Two blast furnaces
- \* Direct reduction plant (four kilns)
- \* Three electric arc furnaces
- \* Three basic oxygen furnaces
- \* Three continuous casters
- \* 3,650 mm plate mill
- \* 2,050 mm hot strip mill (seven stand)

Extensive re-engineering of this operation has anchored its position among the world's most efficient producers.

#### ***About Broner Metals Solutions***

Broner Metals Solutions specialises entirely in delivering value to the Steel and Aluminium industries. We provide Supply Chain Planning, Scheduling and Manufacturing Execution Systems and Consultancy, which improve shareholder value, through: reduced inventory; shorter manufacturing lead times; increased throughput; improved delivery performance and better customer service.

All Broner Metals Solutions products have been developed specifically for the Metals industry. Our Product range includes Demand Management, Sales and Operation Planning, Availability To Promise, Capability To Promise, Advanced Planning and Scheduling and Manufacturing Execution solutions.

The Broner Metals Solutions team has 20 years experience in improving the performance of metals supply chains worldwide. We are the global corporate standard supplier of production scheduling and MES solutions to the world's largest steel company, Mittal Steel, as well as supplying metals companies such as Baosteel, Dofasco, Corus, Cosipa, CSN, Gerdau, Nippon Steel, Norandal, OMK, Taiyuan Steel (TISCO), TMK, and Usiminas..

Broner Metals Solutions is part of Hyperion Systems Engineering Ltd.