



# PSI metals Newsletter



**Production management for metals – 01/2009**

Dear Mrs. Cubonova,  
enjoy reading the latest news about *PSI metals* projects and orders.

## **PSI metals NEWS**

[ArcelorMittal Dofasco: Successful implementation of slab yard logistics](#)

[Successful MES-Implementation at Vallourec & Mannesmann Tubes in Aulnoye, France](#)

## **PSI in Russia**

[PSI has established new office in Ekaterinburg, Russia](#)

## **Latest Orders**

[Peiner Träger, Germany: New steel works control system](#)

[SMS Siemag for Vizag Steel India: Planning system for new steelmaking plant](#)

[Coking plant control systems for Hyundai Steel and Posco in South Korea as well as Hongfa Steel in China](#)

Your feedback is welcome at all times. Please feel free to call me (+49 30 2801 1817) or send me an e-mail ([a.poehl@psi-bt.de](mailto:a.poehl@psi-bt.de)). Please have a look at our homepage [www.PSI metals.com](http://www.PSI metals.com) as well!

Yours sincerely

Annett Pöhl

Solution & Product Management

PSI Business Technology for Industries GmbH



## **On top with PSI metals**

### **Successful Implementation of slab yard logistics at ArcelorMittal Dofasco, Canada**

At the end of 2007, PSI was commissioned by Canadian Dofasco Inc. to deliver *PSI metals* as a management system for slab logistics at the Hamilton facility in Ontario. The solution supports the management of the five slab yards at the customer's Hamilton headquarters and organizes the timely and sequence-optimized transport of the slabs to the hot rolling mill. The important project aims included optimum utilization of the storage space available as well as seamless information as to where any slab is located at any time.

*PSI metals* automatically manages the position of every single slab by determining the

coordinates of the moving cranes and slab handling equipment using electronic sensing. Former manual marking has become obsolete. Safety and reliability in the storage areas were improved and personnel requirements reduced. After the continuous casting process, every slab is stored in the optimum location for further processing in the hot rolling mill. The number of re-storing and transport operations which were previously required has been reduced. This has cut preparation time during slab charging operations by half, i.e. from two days to one, rendering one straddle carrier with a transport capacity of 165 tonnes now obsolete.

The project was implemented over a period of one year and was completed on schedule and to the fullest satisfaction of ArcelorMittal Dofasco.

### **Successful MES-Implementation at Vallourec & Mannesmann Tubes in Aulnoye, France**

In April 2007, Vallourec Mannesmann Tubes decided to introduce PSI *metals* as an integrated production management system for the entire process of rolling seamless tubes in its steelworks at Aulnoye. The solution is successful in productive use. The project was completed on schedule and to the full satisfaction of the customer.

PSI *metals* continuously captures controls and monitors all production and quality data and processes in the tube production. Constant, reliable material quality throughout the entire production process and delivering products on schedule are the results of this integrated production management.

For the rolling process, PSI *metals* enables the tracking of every single tube, stock level and value evaluations, quality assurance as well as greater transparency and improved process management.

These aims are also to be achieved for the heat treatment and coating processes where PSI *metals* is to be introduced in 2010 within the scope of a second project stage.

### **PSI has established new office in Ekaterinburg continuing its development in Russia**

PSI strengthen its presence in Russia and has been established a new office in Ekaterinburg, Ural region. Our employees in Ekaterinburg deal with current Planning & MES projects as well as with promotion of PSI *metals* solution on the CIS market.

Being closer to our Russian customers and partners we are able to provide more operative, comprehensive and qualified support.

Representatives of other divisions of PSI AG are already operating in Moscow, providing PSI Group's services and products in Russia. OOO PSI focuses on supplying production management and logistics solutions for several industries. OOO PSI Energo, a joint-venture between PSI AG and ru-Net Limited, focuses on supplying PSI's leading network control technology for the energy market. In summary more than 100 qualified engineers work for PSI in Russia.

*Please see our website for further address details.*



News & Events

## Latest Orders

**Peiner Träger GmbH, Germany:** *PSI metals* as a plant-spanning steelworks management and steelworks release system for the electric steelworks at Peine. Plant-optimized production management through standardization of production processes and achievement of a higher rate of process automation, improved transparency and traceability through complete documentation and analysis possibilities for process and quality data; high configuration capability enabling easy integration of future lines and functions; introduction of a rule-based system for the automated, analytic release of heats with automatic re-scheduling/re-valuation of slabs in cases of conflict; *PSI integration* for integration with *PSI metals* production planning as well as SAP, laboratory systems and basic automation as well as MVS systems in the rolling mill.

**SMS Siemag for Vizag Steel, India:** *PSI metals* production planning as part of Siemag Level 3 System for new steel making plant of VIZAG Steel, to be built in 2009; Online heat scheduler for optimized scheduling of heat processing at the desulphurization, converter and secondary metallurgical units in order to complete the casting process for given casting sequences at the earliest time possible; plant program generation for casting sequences in three continuous casting lines.

### Uhde GmbH for

**Hyundai Steel, South Korea:** *PSI metals* PES modules as part of the coke plant control system for batteries 1 to 4 currently started with the construction; Integration of UHDE Cokemaster software PushSched™ (pushing schedule), BatControl™ (heating control), ManuTherm™ (heating flue temperature measurement), AutoTherm™ (chamber wall temperature measurement) and RamForce™ (pushing resistance measurement); delivery of SPS-based process stations for a.m. measuring value processing; additional 1-minute cyclic value processing and calculation of 8-hour shift values; warm-standby concept, level-1 integration (Siemens, Yokogawa); communication with level-3 coke plant business computer.

**Hongfa Steel, China:** *PSI metals* PES modules as part of the coke plant control system for batteries 7 and 8 to be built at Shagang site; implementation of Uhde Cokemaster software PushSched™, BatControl™, ManuTherm™; real-time data exchange with integrated level 1-systems as basis for further automatization.

**POSCO Gwangyang, South Korea:** Interface Specification for Uhde Cokemaster Level-2 system to be installed at Gwangyang coke plant together with UHDE Cokemaster model programs PushSched™, BatControl™ and MarCo™; level-1 integration (Siemens, Yokogawa).

## Subscription for *PSI metals* Newsletter

You have received our Newsletter by forwarding and wish to subscribe now? Please click [here](#) for subscription.

### Imprint:

Responsibility for contents:  
PSI Business Technology for Industries GmbH  
Heinrichstrasse 83-85  
40239 Düsseldorf  
Germany

We've got your e-mail-address by a business contact with our company.  
If you don't want to receive this newsletter, please send us an e-mail by clicking [here](#).

© 2009, PSI Business Technology for Industries GmbH, all rights reserved.