

General  
Partner:



**EURASIAN**  
**METALS**



**3<sup>rd</sup> International industrial conference**

# **EAF STEEL PRODUCTION: TECHNOLOGY, EQUIPMENT, MATERIALS**

**Hosting by Eurasian Metals**

**with support of Ministry of Industry and Trade  
and Russian Steel Association**

**February 12, 2019,**

**Moscow, Golden Ring hotel, Smolenskaya str. 5**

**February 13, 2019,**

**Trip to Oskol Electrometallurgical Plant (Metalloinvest Company),  
Belgorod region**

- Topics
- EAF steel production in the modern steel industry: problems and solutions
  - Service and renovation of the main technological equipment in electric steelmaking shop
  - Modern level of automation in electric steelmaking with digital technologies and other solutions of industry 4.0
  - Production infrastructure of electric steel melting shop and energy efficiency. How to decrease the costs

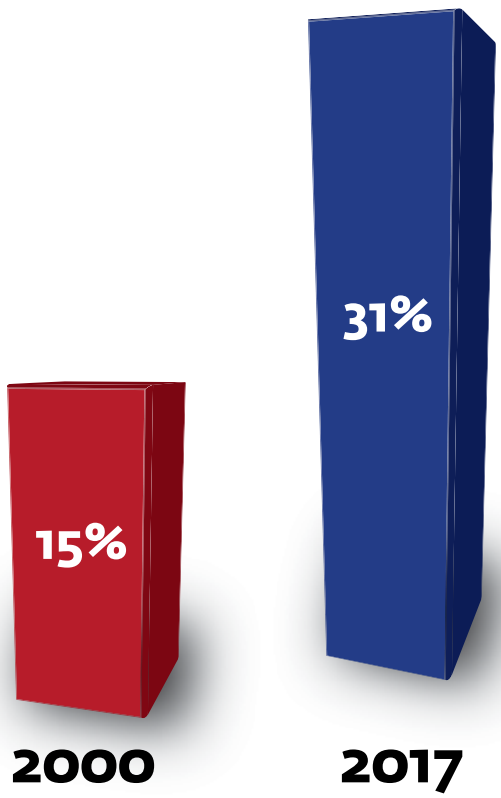
Partner:



Металлоинвест

# Why in Russia?

## Rapid growth of electric steel method



## EAF-share in the Russian steelmaking capacities



Brand-new furnaces



Greenfield mini-mill projects



Leading position in European HBI market



Excellent opportunity to hear and to see

Hosting by **Eurasian Metals** with support of **Ministry of Industry and Trade, RF**, and **Russian Steel Association** as General Partner

12<sup>th</sup> February, 2019. Moscow, Golden Ring Hotel, Smolenskaya str. 5, Sergiev Posad Hall

13<sup>th</sup> February, 2019. Visiting OEMK (Metalloinvest Managing Company), Staryi Oskol

**Draft program TUESDAY, FEBRUARY 12**

08:30 Registration, Coffee/Tea

12:40 Questions and answers

09:25 The Conference opening

13:00 Lunch

**09:30 Session 1 EAF steel production in the modern steel industry: problems and solutions**

**14:00 Session 3 Modern level of automation in electric steelmaking with digital technologies and other solution of industry 4.0**

*Moderator:* **Takhir Galiullin**, Chairman of the Commission for production, technical development and education, **Russian Steel Association**, Director of Department for technology development, **Mechel-Steel**

*Moderator:* Representative of **Bardin Central Research Institute for Ferrous Metallurgy**

**Evolution of the main production indicators of electric steel melting shops and mini- mills in the Russian steel industry**

**Alexey Sentyurin**, Executive Director, **Russian Steel Association**

**Brand-new technologies and opportunities of digital economy (Big Lake, Machine learning, IoT, etc) for increasing efficiency in the steel melting shop at mini-mill-Balakovo**

Presentation of **Severstal**

**Scrap market and its influence on EAF development in Russian and global steel industry**

**Oleg Maslennikov**, Managing Director, **Istok Corporation**

**SMS solution for a flexible EAF fed by hot metal and scrap with assistance of online regime**

Presentation of **SMS**, Germany

**New level of EAF steel production in competition with iron and steel works**

**Kazuyuki Watanabe**, Manager of steel melting of Kyushu factory, **Tokyo Steel Co**, Japan

15:20 Questions and answers

16:00 Coffee break

**HBI in electric steelmaking process**

**Alexei Chizhykov**, Head of analysis of steel production market, **Metalloinvest**

**16:30 Session 4 Production infrastructure of electric steel melting shop and energy efficiency. How to decrease the costs**

**Methods of early diagnostics of transformers and other EAF energy equipment**

**Sergei Nosov**, Head of unit, **Techknow JSC**

*Also take part:*

**Alexei Ushakov**, Deputy director, Department of metallurgy and materials, **Ministry of Industry and Trade, RF**  
**Aleksey Kanayev**, Deputy of the **RF State Duma**, Cochairman of the Expert Council on the issues of metallurgic and mining industries with the State Duma Committee on Economic policy, Industry, Innovation development and Entrepreneurship

**AMI SmartFurnace Optimization Technology for highly productive EAFs**

**Emmanuel Placier**, **AMI**  
**Markus Abel**, **triples**  
 Mexico, Germany

10:40 Questions and answers

**Energy cost monitoring during operation of the main and auxiliary EAF shop equipment. Results and conclusions**

TBA

11:00 Coffee break

**11:30 Session 2 Service and renovation of the main technological equipment in electric steelmaking shop**

**Transformers and other energetic equipment: how to avoid overload, failure and premature outage**

TBA

*Moderator:* **Konstantin Kosyrev**, Chairman, **Steelmakers Association**

17:40 Questions and answers

**Smart service: providing sustainable work of equipment during its life cycle with low costs**

**Luigi Morsut**, Executive vice president, Sales, **Danieli Centro Met**, Italy

**18:00 Closing the 1st Day of the Conference**

18:15 Cocktail reception

**EAF-130 lining: how to increase its durability**

**Denis Borodatov**, First deputy head of electric steel melting shop, **Abinsk Electric Steel Works**

**Trip to OEMK** (at a personal choice)

21:38 Departure from Moscow to Staryi Oskol, Kurskiy railway station, Train 057B

**WEDNESDAY, FEBRUARY 13**

08:20 Arrival to Staryi Oskol

09:00 – 19:00 Visiting OEMK (Metalloinvest Managing Company)

20:05 Departure from Staryi Oskol to Moscow, Train 057H

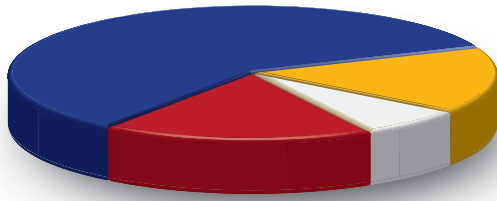
**THURSDAY, FEBRUARY 14**

07:10 Arrival to Moscow, Kurskiy railway station

**Operational results of a new EAF Ultimate after EAF replacement in record time**

**Deniz Catan**, Technical sales manager in electric steel making, **Primetals Technologies**, Germany

## Who takes part in the conference



- **Directors and specialists of steel plants** **59%**
- **Specialists of engineering companies** **16%**
- **Suppliers of materials and expendables** **7%**
- **Experts and researchers** **18%**

## Participants (companies and plants):

Air Liquide, ABB, AMIGE, Byelorussian Steel Works, BSE, Casting-Rolling Mill VMZ, Danieli, EVRAZ, Gertnergrou, INTECO melting and casting technologies, KSP Steel, Khuzestan Steel, Linde Gas Rus, Mechel, Metalloinvest, MetProm, MMK, NKMZ, NLMK, Oskol Electrometallurgical Plant, Promimpex, RHI Magnesita, Severstal, SMS Group, TAGMET, Tamini Trasformatori S.r.l., Tecknow, Techprom, TMK, Tenova, TripleS GbR, STZ, UMMC Steel, Uralkuz, Ural Steel, USM Management, Volzhsky pipe plant, Vyksa Steel Works.

## What they say about the event

The leaders of our company took part in many conference and seminars. But at this conference it was really interesting. Thanks for the wonderful organization of this event and satiated, rich program as well as for cooperation.

**Grigore Musteata,**  
Assistant General Manager, SC COSTargoviste SA, Romania

I would like to express my gratitude for the invitation to the conference and to note its excellent organization, good composition of participants, interesting presentations.

**Dmitry Elansky,**  
Partner, sales, BSE – Badische Stahl-Engineering GmbH

In my view the conference was interesting and satiated. It is worth of marking that there were no separate sections and that there was an opportunity to hear all presentations. As a positive point I would like to note such a favourable fact that Russian steelmakers do not mark time and are in a permanent search of ways for increasing productivity of labor, elevating efficiency and reducing costs, that they actively interchange with their opinions and works already completed on issues of production.

**Konstantin Elizarov,**  
Manager, technical sales, steelmaking, Danieli Centro Met

I took part in the conference in Moscow and visited OMK company in Vyksa. Everything was perfect. Thank you very much.

**Javad Mohammadi,**  
Khuzestan Steel Company, Iran

We consider the conference a very good event. It was an excellent opportunity to be its sponsor for promoting Tekknow and communication with all participants.

**Natalia Khripova,**  
Tekknow JSC

## Join us!

### Registration Form

#### Booking fees

You will be invoiced in Euro or US Dollar:

- 700 Euro  
 800 USD

#### The cost includes

- participation in the conference;
- simultaneous translation in both Russian and English;
- lunches and coffee breaks, drinks reception.

#### Company details:

Company

Address

#### Participants details:

1. Firstname / Surname / Job Title

Tel.:  E-mail:

2. Firstname / Surname / Job Title

Tel.:  E-mail:

3. Firstname / Surname / Job Title

Tel.:  E-mail:

The registration form should be send to e-mail:  
**subscribe@eurasmet.ru, ratanova@eurasmet.ru**