



## Draft Agenda

### Day 1 26<sup>th</sup> April

#### Keynote Session – Optimizing DRI production: environmental sustainability and alternative revenue streams

08:45 Chairperson's opening remarks

09:00 Carbon capture and sequestration in DRI

- How does carbon capture work?
- What possible markets are there for the CO<sub>2</sub>?

**Arafat Yafei, CEO, Reyadah/ADNOC**

09:30 CO<sub>2</sub> capture and DRI recycling

- How much DRI can be sequestered from the process? How can plants be modified to do this?
- Briquetting oxide fines and DRI sludge – what is required to do this?

**Joel Morales, Technical Marketing Manager, ENERGIRON/Tenova Hyl**

09:50 Optimising DRI production and automation

- How can DRI production be made more efficient?
- What can DRIPax offer DRI operators?

**Robert Montgomery, Plant Sales Manager – MENA Region, Midrex**

10:15 Key strategies for exceptional plant productivity, availability and reliability at Qatar Steel DR modules

**Durgesh Gupta, Head of Section, Direct Reduction Department, Qatar Steel**

10:45 Challenges to the DRI industry in the MENA region

- DRI competitiveness in relation to the scrap price
- How can DRI producers adapt to gradually increasing energy costs and cost reduction initiatives?
- Emirates Steel – plant performance and challenges ahead

**Appala Poodi, Plant Manger DR Module, Emirates Steel Company**

11:15 Networking refreshment break

11:45 Technical aspects of carbon capture

- What process is used to capture and store the CO<sub>2</sub>?
- Installation costs – capex and ROI



**Dipak Sakaria**, CCF Project Manager, **Reyadah/ADNOC**

12:15 Performance of Centralloy® 60 HT D tubes in Midrex® DRI units

- New alloy material and enhanced reformer tube lifetime in Midrex® modules

**Pablo Cardin**, Product Manager, **Schmidt+Clemens Group**

12:45 Advanced Microalloyed steel for Midrex type reformer tubes

- How can temperature capability and life span be increased?

**Juan Carlos Cairo**, DRI Tech Manager, **Manoir Industries**

13:15 Networking lunch break

### **Session II: Case studies**

14:30 Algeria - new mega module

- What are the commercial advantages of setting up a mega module in Algeria?
- Which markets will this module serve?

**Yousef Ahmed Al Muhannadi**, General Manager, **Algerian Qatari Steel**

15:00 Egypt – Ezz Rolling Mill's mega module

- Succeeding in difficult start up conditions
- First year process enhancement and production

**Gopal Seenivasagam**, Plant Manager, **Ezz Rolling Mills**

15:30 Jindal Shadeed –adapting to tight gas supply

- What steps have been taken to ensure DRI production remained consistent in tight gas supply conditions?

**Gautam Das**, Deputy General Manager, **Jindal Shadeed**

16:00 Networking refreshment break

16:30 Advanced simulation and control systems of the ENERGIRON plants

- How can DRI quality and plant consumptions be optimized in a reliable and consistent way?
- How to avoid the typical delay between detection of DRI quality changes and consequent modification of operating parameters?

**Iouri Martynov**, Sales Manager, **ENERGIRON/Danieli**

### **Session III: Supporting the DRI industry – Inputs and shipping**

17:00 Safe shipping of DRI

- What requirements are there to ship DRI safely? How are regulations changing?



**Chris Barrington, Secretary, IIMA (International Iron Metallics Association)**

17:30 Networking reception and end of day 1

## **Day 2 27<sup>th</sup> April**

### **Session IV: Raw materials – Iron ore and steel scrap**

08:45 Chair person's opening remarks

09:00 Iran – world leading DRI production rates

- Iranian iron ore – what quality is available?
- Pelletizing bottle neck – when will this ease?
- Global trade – could iron ore be exported internationally?

**Dr. Bahram Shakuori, President, Mines & Mineral Industrial Commission of Iran Chamber of Commerce**

**Dr. Keyvan Jafari Tehrani, Head of International Affairs, Iropex**

**Mohammad Reza Nikousokhan, Commerce Deputy, IRITEC**

**Hossein Etminan, Commercial Manager, Golgohar**

**Shafie Shafieian, Advisor to the Managing Director, Iran Central Plateau Iron Ore Mines Complex**

11:00 Networking refreshment break

11:30 Vale Oman – reliable pellet source

**Humberto Oliveira, Head of Technical Marketing – DR & India, Vale**

12:00 Iron ore – availability and forecasts

- Iron ore prices - will the price recovery continue? Where will prices stabilise?
- Metal Bulletin's DR grade pellet index

**Jon Mulcahy, Analyst, Metal Bulletin Index**

### **Session V: Pelletizing technology**

12:30 Comparison of straight grate and grate kiln pelletizing technologies

- A technical and economic comparison of available technologies

**Manuel Huerta, Senior Process Engineer – Iron & Steel, Hatch**

13:00 Advances in pelletizing technology

- How are pelletizing technologies improving process efficiency, product consistency and environmental sustainability?



**Stefan Mehl**, Director – Solution Sales – Ferrous and Ferroalloys, **Outotec**

13:30 Networking lunch and end of conference