



SUPERVISORY BOARD MEETING

Monday, June 18, 2017
10:15am – 1:15pm

Shangri-la Hotel, Kuala Lumpur
11, Jalan Sultan Ismail, Bukit Bintang, 50250 Kuala Lumpur, Malaysia
Meeting room name « Penang »

MINUTES

Attending	
Name	Company
Pedro Larrea (Chairman)	Ferroglobe
Esteban Rivero (Vice-Chairman)	Autlan
Patrick Sacco (Vice-Chairman)	Ore & Metal
John Joseph Scholtz	UMK
Andrea Cornwell	South32
James Jin Shik Choi	Simpac
Ruan van Schalkwyk	Glencore
Ngee Tong Low	OM Holdings
Shri T. K. Pattnaik	MOIL
Lei Fei	Minmetals
Arnaud Vigier	Eramet
Tan Rong	CITIC Dameng
Rocklin Reed	Ore & Metal
Guillermo Recio	Autlan
Pedro Rivero	Autlan
Aloys d'Harambure	IMnI

Excused	
Li Weijan	CITIC Dameng
Mukund P. Chaudhari	MOIL
Guillaume Verschaeve	Eramet
Branislav Klocok (Treasurer)	OFZ

1. **Review of Anti-trust Policy and Procedures:** Chairman Pedro Larrea welcomed the members and reminded them of IMnI's Anti-Trust declaration, asking them to abide by it throughout the meeting and the Annual Conference. He appointed Aloys d'Harambure as the Anti-Trust "whistle blower" for the meeting. (Members signed a presence sheet containing the policy.)
2. **Apologies for absence** were **accepted** as per list above.
3. **The Agenda** was **approved**

#	Agenda item	Reason	Timing (in minutes)
1	Review of anti-trust policy and procedures	Legal Requirement	2
2	Apologies for absence	Information	1
3	Approval of agenda	Decision	1
4	Review of minutes of last meeting & action points	Information	5
5	Outgoing Chairman's report	Information & Discussion	20
	1 - Update on membership		
	3 - Elections		
6	Executive Director's report	Information & Discussion	20
	1 - Results of Members survey 2017		
	2 - Annual Conference 2018 3 - Annual Conference 2019		
7	Treasurer's report	Information & Discussion	20
	1 - 2017 P&L		
	2 - 2018 Projected P&L 3 - HSE Special Projects: how to fund them?		
8	HSE Committee Chairman's report	Information & Discussion	10
9	Statistics Committee Chairman's report	Information & Discussion	10
10	EPD Chairman's report	Information & Discussion	10
11	China Committee Chairman's report	Information & Discussion	5
12	Incoming Chairman's Remarks	Discussion	10
13	Any other business	Information & Approval	5
14	Date & location of next meeting	Decision	1

4. Review of last meeting minutes & actions points

	Action Point	Status
1	Convince Indian companies to join IMnI	In progress
2	AC2018: check with the hotel if IMnI can make some revenue on the rooms	Done
3	AC2019: propose some suggestions for the June 2018 Board meeting in KL	Done

5. Chairman's Report: Pedro Larrea, Ferroglobe

a. Update on IMnI membership:

- i. Pedro Larrea explained that 2 companies have left the IMnI so far in 2018, including IPM in Italy that was replaced by Minmet, and Shanghai Jinneng in China which stopped producing Mn alloys. Meanwhile, 9 new companies joined the IMnI so far this year, including 2 Indian companies and 1 Chinese. The IMnI membership now stands at 75 Members (from 68 at the end of 2017).
- ii. Indian Members: AH will go to India in September to attract more Indian Members, and the Supervisory Board agreed to invoice a different membership fee for companies whose production figures are not 100% reliable (including in China and India).
- iii. The suggestion of invoicing a monthly fee to Members has not been adopted by the Board.

b. **Election of Supervisory Board Members:** Minmetals, CITIC Dameng, MOIL, OM Holdings, Simpac, UMK and OFZ have been re-elected for 4 years; Tshipi have been elected.

c. **Election of IMnI Chairman:** Pedro Larrea's term as IMnI Chairman coming to an end after 2 years of mandate, the Supervisory Board Members elected Esteban Rivero (Autlán) as new IMnI Chairman. Esteban Rivero thanked Pedro Larrea for his efforts to improve the IMnI financial situation and to conduct a smooth transition after the departure of former Executive Director Anne Tremblay in 2017.

d. **Election of new Vice-Chairman:** Branislav Klocok (OFZ) was elected by the Supervisory Board as new Vice-Chairman.

e. **Election of new Treasurer: Arnaud Vigier (Eramet)** was elected by the Supervisory Board as new Treasurer, in replacement of Branislav Klocok.

After points b, c, d and e above, the IMnI Structure is as follows:

Chairman	Esteban Rivero (Autlán)
Vice Chairman	Patrick Sacco (Ore & Metal)
Vice Chairman	Branislav Klocok (OFZ)
Treasurer	Arnaud Vigier (Eramet)
Board Members	Autlán, South32, Eramet, Ferroglobe, Glencore, Minmetals, CITIC Dameng, MOIL, OM Holdings, Simpac, UMK, OFZ, Ore & Metal, Tshipi (14 Board Members).

6. Executive Director's Report: Aloys d'Hambure, IMnI

a. Results of IMnI 2017 Survey:

- i. IMnI can improve HSE & Regulatory Affairs;
- ii. The technical tours are very interesting to our Members;

b. Annual Conference 2018 in Kuala Lumpur:

- i. 185 delegates (including 13 non-paying: speakers, IMnI staff), including 15 Chinese and 15 Indians (but no steel mills in spite of free registration);
- ii. 100K€ profit expected (vs 28K in 2017): IMnI negotiated with the Shangri-la Hotel, and they offered free rooms for the 4 IMnI staff + a 3% discount on IMnI expenses at the hotel;
- iii. Registration started earlier (November 3, vs February in 2017);
- iv. Early bird rate until December 31, 2017 (200€ discount/delegate): 40 delegates benefitted;
- v. List of companies already registered published earlier than before (in January), attracted more delegates, including from China;

- vi. Technical Tours registration: 90 delegates;
- c. **Annual Conference 2019:** in November 2017 the IMnI Board decided to organise it in Europe or the United Arab Emirates.
 - i. The Annual Conference 2019 will be organised in Tbilisi, Georgia, on June 2-5, 2019 (Budapest is a back-up)
 - ii. Technical tours:
 - 1. Georgian American Alloys Zestafoni/Chiatura mine, Georgia;
 - 2. Privat, Ukraine;
- d. **IMnI Technical Workshop in Inner Mongolia:** on August 8 & 9, 2018: 3 technical visits in Inner Mongolia + HSE exchange session + technical discussions; open only to IMnI Members;
- e. **IFAPA Conference, New Delhi, India,** August 22-24, 2018: jointly organized by IMnI; IMnI Members get a 20% discount on the registration fee; technical visits of several Indian ferro-alloy plants.

7. Treasurer's Report: Branislav Klocok (OFZ)

a. Final 2017 P&L:

- i. IMnI income in 2017 35K lower than budgeted income, lower Annual Conference result (Miami) and lower MARA contribution (new MARA General Secretary as of July 1, 2017) offset higher membership fees (8 new Members in 2017);
- ii. IMnI expenses in 2017 were slightly under budgeted expenses, with higher office costs (change of office in June 2017) and social charges (Anne Tremblay's retirement not entirely budgeted) compensated by lower travel & entertainment expenses and salaries (Executive Director continues doing market research);
- iii. Final Result in 2017 = +11.9K€ Operating Result but with a Financial Loss of 18K€ (non-cash, exchange rate fluctuation), the Final Result for 2017 is: -6K€ (vs -63K€ in 2016);
- iv. IMnI cash reserves in April: 1.02 million € (including 115K US\$): the IMnI Supervisory Board agreed to convert these US\$ reserves in € and close the US\$ bank account at bank Martin Maurel; If needed, a US\$ account could be opened in a new bank with better conditions.

b. 2018 P&L:

- i. IMnI projected income in 2018 is expected to be higher than budgeted, with higher Annual Conference result (KL), and higher membership fees (7 new Members in H1 2018): 2018 projected income is 4% higher than 2017 income;
- ii. As of this date, IMnI expenses in 2018 are expected to be on budget (15% lower than 2017 expenses);
- iii. As of this date, HSE special projects can be funded 100% within 2018 budget (no special contribution needed, and no need to use IMnI cash reserves for now);
- iv. IMnI cash reserves should increase during 2018 (no taxes to deduce)

- c. **2019 budget** will be presented at the next Supervisory Board meeting (November 2018).

8. HSE Committee Chairman's Report: Rocklin Reed (Ore & Metal)

a. Carried over projects 2017: Rocklin Reed presented an update on the HSE projects validated in 2017 and carried over 2018:

- i. socio-economic analysis (SEA) of Mn slags: on time and on budget. A webinar to help IMnI Members engage their respective policy-makers is being developed (webinar slated to be held in September or October 2018);
- ii. Neurodevelopmental Study: in utero and early life exposure to Manganese dichloride produced no neurological, behavioral or learning impairments in rats:

b. Update on 2018 HSE Special Projects:

- i. IQ project – MIG: after multiple delays, Exponent has sent the initial draft of the Systematic Review manuscript; Manganese Interest Group (MIG) Steering Group is preparing comments; HSE Manager estimates a further 6 months before final publication (journal submission, peer review, revisions, acceptance)

MIG White Paper - Statistical challenge to original Mn child IQ papers. The Board approved 30K EUR to further MIG IQ project in 2018, and MIG white paper is the next phase of this project. MIG prepared a white paper challenging the validity of the initial child IQ papers. Request for proposals were sent out with the white paper seeking validation of the white paper and a challenge of the studies. First response to the call was received 23 May 2018: HSE Committee agreed to provide funding.

- ii. Manganism - Phase 1a: Systematic Review of Clinical Guidance on Manganism. Project is currently on time and on budget. Phase 1 should end in August. HSE Committee with RSI consultation will decide if publication of the first review may negatively impact end-goal of a new Diagnostic Criteria for Manganism. Publication before the clinical Diagnostic Criteria is published could jeopardize the acceptance of the new clinical diagnosis
- iii. Peer Review - Impact on human health by environmental manganese exposure. 12 letters of intent have been received. HSE Committee views proposals using imaging techniques such as MRI as high priority. HSE Committee will pick 2 projects and allocate 25K€ to each (IMnI Board approved 50K€ of budget for this special project for 2018). Funding will be awarded early July (proposal deadline is June 30th).

c. Mn industry's challenges:

- i. Environmental Exposure / Human Health Risk: Chicago now looking at soil contamination; city ban on new Mn facilities or expansion of current facilities (physical expansion, not based on capacity). Other parts of the US looking at Mn (mainly drinking water). Globally (mainly drinking water). Focus of risk is primarily on children (bad media exposure);
- ii. Regulations in the USA: EPA IRIS (Environmental Protection Agency Integrated Risk Information System) will look to reassess Mn late 2018 early 2019: this will be for air limits US wide; Cal OSHA (California Occupational Safety and Health Administration) looking to greatly reduced air permissible exposure limit (PEL).

9. **Statistics Committee Chairman's Report:** Guillermo Recio presented his report covering the following points:
- a. **Improvements to IMnI reports & new reports**
 - i. Now more than 690 plants and mines listed + 200 future projects, with production capacity, with province in China / India (155 SiMn producers listed in China); contact details added for most plants; location added for some plants;
 - ii. Special report on Mn in batteries published in February 2018; based on EMD production figures collected by IMnI, and on information from third parties; Special report on steel & silico-manganese in China published in April 2018;
 - iii. 2017 figures published on March 9, 2018 (time-lag reduced to 2 months); will be updated at the beginning of 2019 with 2018 figures (collected from IMnI Members);
 - b. **Price forecasts by Metal Bulletin:** quarterly price forecasts from Metal Bulletin, published for free to all IMnI Members;
 - c. **IMnI Booklet 2018:** Prepared with the support of Autlan, shows IMnI 2017 key figures. Statistics by country available in IMnI 2018 Market Research report (available on IMnI website since June 5, 2018).
10. **China Committee Chairman's report:** in the absence of Chairman Li Weijan, Ms. Tan Rong of CITIC Dameng presented his report to the IMnI Board:
- a. **Update on the China Committee:** China Committee created in November 2016. Last meeting in October 2017. 3 sub-committees: Stats, Regulatory Affairs and HSE. Last Stats sub-committee meeting held in Shanghai on May 16, 2018. 22 representatives of Chinese IMnI Members discussed how to efficiently use the IMnI reports, and to improve the knowledge of the Chinese market;
 - b. **IMnI China Banquet:** was organised in Hong Kong during MB Conference Asia (March 20-22, 2018), 80 market participants attended, including IMnI Members producers of Mn ore, who sponsored the event, and most IMnI Chinese Members;
 - c. **IMnI Technical Workshop in Inner Mongolia:** on August 8 & 9, 2018: 3 technical visits in Inner Mongolia + HSE exchange session + technical discussions; open only to IMnI Members.
11. **EPD Committee Chairman's report:** in the absence of Chairman Li Weijan, Ms. Tan Rong of CITIC Dameng presented his report to the IMnI Board:
- a. **IMnI 14th EPD Conference** took place in Nanning on March 16 & 17, and attracted over 170 delegates (vs 110 in 2017), making it the premier event for EMD and EMM producers worldwide.
 - b. **2019 EPD conference** will take place in Chongqing, before Metal Bulletin's Asia Ferroalloy Conference in March 2019: 1 day of conference (with presentations on Mn chemicals others than electrolytic, like Mn sulphate, trimanganese tetroxide etc.) and one day of technical tour.
12. **Incoming Chairman's Remarks:**
- a. Continue the current successful path: increasing membership, optimise operating costs, maintain and improve HSE support, offer innovative ideas to improve IMnI services.
 - b. High quality membership with engagement: increase the engagement of IMnI Members.

c. Value-proposition: improve and share the best practices of the Manganese industry.

13. **Any Other Business:** MOIL suggested that IMnI gives weekly forecasts to IMnI Members. Aloys d'Harambure will check if this is not a breach of anti-trust regulations.

14. **Date & location of Next Supervisory Board Meeting:** in Lisbon during the Metal Bulletin Europe conference (November 11-13, 2018). The exact date and location will be confirmed closer to the date.

The Chairman then closed the meeting.