Confirmed speakers include:

1. Darwish Al Qubaisi, General Manager, ESNAAD, UAE
2. Ahmed Taher, Senior Geologist, ADNOC, UAE
3. Marianna Voulgari, Global Construction Market Manager, S&B Industrial Minerals, Greece
4. Yasser Atef Rasheed, Director of Sales, Rasheed Performance Minerals, Egypt
5. Yaswanth Vattikunta, Director, Garuda Group, India
6. David Copley, President, Steinbock Minerals; General Manager, Yasheya Ltd, Switzerland
7. Don Anschutz, Vice President – Sales, Marketing, Innovation and Distribution, Imerys Oilfield Solutions, USA
8. Gregory Boisson, Global Sales Manager, Imerys Oilfield Solutions, USA
9. Dr. Alireza Ganji, Assistant Professor – Postgraduate Department of Geology, Islamic AZAD University, Iran
10. William Voaden, Director, Castata Ltd, UK
11. Said Moucharik, Manager of Export & Import, Broychim, Morocco
12. Nikunj Thakkar, Managing Director, Star Bentonite Exports, India
13. Jean François Maréchal, Chief Executive Officer, Poittemill, France

SAVE $300 when you register before 3 January 2014
Oilfield Minerals Outlook 2014
Middle East
27–29 January 2014 • Dusit Thani Hotel, Abu Dhabi

Following the success of the 2013 Oilfield Minerals Outlook conference hosted in Dubai last January, Industrial Minerals Events presents the 2nd Oilfield Minerals Outlook, taking place in Abu Dhabi in 2014. Sponsored by ESNAAD, a subsidiary of Abu Dhabi National Oil Company, this event will bring together industry professionals and key players from across the sector.

A plethora of projects and possibilities will see the demand for oilfield minerals in the Middle East steadily augment and a surge of activity for the unconventional sector will result in new, significant demand for proppants. This, especially in light of the Middle East’s plan to fuel its electricity demand with domestic tight gas resources, brings unconventionals into a period of unprecedented importance.

Still, conventional drilling in the region remains at the heart of oil and gas activity and an increase in drilling activity places emphasis on the need for added supply and new resources. Will India remain the key supplier to the Middle East oilfield markets? Where are the new deposits going to spring up? Is there any potential for the Middle East to self-supply certain minerals for its drilling activities? Hear about this and more at the 2014 Oilfield Minerals Outlook in Abu Dhabi.

Some key topics to be discussed

1. Supply of key oilfield minerals to the Middle East markets
2. Specifications for specialised minerals; density enhancers, viscosifiers, cement reinforcing, circulation loss preventers
3. New reserves and new horizons for existing important oilfield minerals
4. Pakistan and Iran
5. New Middle East operations for oilfield mineral suppliers to accommodate the Middle East markets
6. Developments in emerging oil markets
7. Minerals needed for new tight gas drilling operations
8. Demand for proppants and stimulation minerals in the region: High-, intermediate-strength and lower grade proppants
9. Transporting, shipping and unloading of minerals to their end destinations

2013 delegates by country

- Bulgaria
- China
- Egypt
- France
- Greece
- Hong Kong
- India
- Japan
- Kuwait
- Lebanon
- Morocco
- Saudi Arabia
- Singapore
- Oman
- Switzerland
- Turkey
- UK
- UAE
- USA
Monday 27 January 2014

17:00 Registration desk opens

18:00 Welcome reception drinks sponsored by ESNAAD

Day one: Tuesday 28 January 2014

08:00 Registration desk opens

09:00 Opening remarks from Industrial Minerals

Session I: Market overviews

09:15 Supply of barite and bentonite in the Middle East
  - Projected demand for oilfield minerals in UAE drilling operations in the short- to medium-term
  - Is ESNAAD looking towards new countries/deposits for its oilfield minerals supply?
  - Supply outlook for key minerals applied in drilling fluids

Darwish Al Qubaisi, General Manager, ESNAAD, UAE

09:45 MENA striving towards a certain raw material and oilfield mineral self-sufficiency
  - To what extent is the MENA region self-sufficient as of now?
  - What is the potential for a greater level of self-supply from the MENA markets and for the MENA markets? Both for bentonite and barite?
  - Mineral specification and grade; have local resources been overlooked?

Yasser Atef Rasheed, Director of Sales, Rasheed Performance Minerals, Egypt

10:15 Networking coffee break

Session II: Barite

11:00 Pakistan: A land of high specific-density barite
  - Available barite resources in Pakistan; what is being and can be exploited
  - Specific gravity of Pakistani barite
  - Are there any accessory minerals associated with the barium sulphate ore?

Shams Ur Rahman, Resident Manager, Bolan Mining Enterprises, Pakistan

11:30 How India maintains its stronghold on the weighting agents markets
  - What is being done with the lower-grade barite that is too impure to be sold on the oil and gas market?
  - What will be the market impact of barite beneficiation plants coming online?
  - What is the ratio of mined to remaining barite reserves?

Yaswanth Vattikunta, Director, Garuda Group, India

12:00 Networking lunch

13:30 Iran: Existing oilfield mineral reserves in one of the world’s most drilling-active countries
  - Detailed analysis of existing and unexploited barite resources in the country
  - Where are the deposits to be found?
  - What is the current situation of the logistics networks with respect to where reserves are situated?

Dr. Alireza Ganji, Assistant Professor – Postgraduate Department of Geology, Islamic AZAD University, Iran

Session III: Perlite, mica and diatomite

14:00 Specifications for perlite, mica and diatomite
  - New and traditional applications for these minerals
  - Specification and analysis of how each mineral works

Gregory Boisson, Global Sales Manager, Imerys Oilfield Solutions, USA

Session IV: From mine to market — Getting minerals to the Gulf

14:30 Logistic opportunities and challenges for mineral mining in Africa: African oilfield mineral potential for Middle East markets
  - What are the logistic challenges faced by the oilfield minerals mining sector in Africa?
  - What is the possibility for exploiting existing reserves in the region?
  - Production outlook for the existing Mabwe mine in Zimbabwe

David Coplet, President, Steinbock Minerals; General Manager, Yasheya Ltd, Switzerland

15:00 Current opportunities in resource financing: Surviving in an environment of tough capital markets
  - Alternative means to financing projects: The most recent trends in the industry
  - Where are we seeing increased financing via these means?
  - What are the opportunities for investors and miners alike?
  - Necessary supply increases = necessary financing: Meeting demand in the GCC market

William Voorden, Director, Castata Ltd, UK

Session V: Mineral processing technology

15:30 An in-depth look into grinding technology
  - Barite and bentonite fine-grinding for the mud drilling industry
  - How to cater to each individual mineral deposit

Jean François Maréchal, Chief Executive Officer, Poittemill, France

16:00 Drinks reception
**Day two:**  
**Wednesday 29 January 2014**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>08:30</td>
<td>Registration desk opens</td>
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<tr>
<td>09:00</td>
<td>Opening remarks</td>
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<tr>
<td>09:15</td>
<td><strong>Session VI:</strong> Tight gas, hydraulic fracturing and proppants</td>
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<td>A detailed look at current and future proppant demand in the region</td>
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<td>• Will high-strength proppants continue to be the durability of choice in the Middle East?</td>
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<td>• How is proppant demand expected to rise given the fracking activity in the area?</td>
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<td>• The scramble to get ‘the foot in the door’, foreign proppant manufacturers become more established in the Middle East</td>
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<td>• Innovative proppants: What are the advantages?</td>
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<td><strong>Don Anschutz</strong>, Vice President — Sales, Marketing, Innovation and Distribution, Imerys Oilfield Solutions, USA</td>
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<tr>
<td>09:45</td>
<td>Unconventional opportunities in the UAE</td>
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<td>• What are the opportunities for unconventional drilling in the United Arab Emirates?</td>
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<td>• Where are the sites with the most potential located?</td>
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<td>• How could this affect the demand for oilfield minerals?</td>
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<td><strong>Ahmed Taher</strong>, Senior Geologist, ADNOC, UAE</td>
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<td>10:15</td>
<td>Networking coffee break</td>
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<th>Time</th>
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<tr>
<td>11:00</td>
<td><strong>Session VII:</strong> Bentonite</td>
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<td>Bentonite: Without substitutes and without limits</td>
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<td></td>
<td>• Latest oilrig count and its impact on bentonite demand</td>
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<td>• From which Middle East countries is the demand for bentonite expected to surge most significantly over the short- to medium-term?</td>
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<td>• The mineral of 1000 uses; the use of bentonite in oil and gas pipeline and engineering</td>
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<td>• Which oil and gas pipeline projects present potential?</td>
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<td><strong>Marianna Voulgari</strong>, Global Construction Market Manager, S&amp;B Industrial Minerals, Greece</td>
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<td>11:30</td>
<td>Indian bentonite supply and demand scenario</td>
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<td>• How will India retain its stronghold as the major bentonite supplier to the Middle East?</td>
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<td>• Expected supply to the Middle East</td>
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<td>• Proportion of mined mineral to existing reserves</td>
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<td>• What challenges lay ahead?</td>
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<td><strong>Nikunj Thakkar</strong>, Managing Director, Star Bentonite Exports, India</td>
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<td>12:00</td>
<td>Networking lunch and close of conference</td>
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Some of the companies that attended in 2013

- 3K Boys
- ACC Resources Co
- Accenture Management Consulting Resources
- Adels Consulting
- Ado Madencilik Elektrik Uretim San. VE Tic. A.S.
- Al Ghanaam Industrial Co
- Aluchem India Ltd
- AMG Mining
- Anaconda Banite
- Anglo Pacific Minerals
- Approtec Ran-Le
- Ashbury Graphite Mills, Inc
- Ashapura Minechem Ltd
- Ashok Mineral Enterprises
- Ashapura Minechem Ltd
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Fees: The conference fee includes attendance at all sessions, refreshments, welcome reception and lunches.

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VENUE

Dusit Thani Hotel
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Web: http://www.dusit.com

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