



Programme

Monday, 20 February

Workshop registration	12:00 – 13:00
Workshop	13:00 – 18:00
Conference registration <i>sponsored by</i>	15:00 – 20:00
Exhibition open	15:00 – 20:00
Welcome reception <i>sponsored by</i>	18:30 – 20:00

Tuesday, 21 February

Welcome Coffee <i>sponsored by</i>		08:00 – 09:00
Conference registration <i>sponsored by</i>		08:00 – 18:30
Exhibition open		08:00 – 18:30
Commercial programme – Session 1		09:00 – 10:55
Refreshment and Network Break <i>sponsored by</i>		10:55 – 11:25
Commercial programme – Session 1		11:25 – 12:35
Lunch <i>sponsored by</i>		12:35 – 14:00
Technical programme – Session 2		14:00 – 15:15
Refreshment and Network Break <i>sponsored by</i>		15:15 – 15:45
Technical programme		15:45 – 17:30
Drinks reception		17:30 – 18:30

Wednesday, 22 February

Welcome Coffee <i>sponsored by</i>		08:30 – 09:00
Conference registration <i>sponsored by</i>		08:30 – 17:30
Exhibition open		08:30 – 17:30
Technical programme – Sessions 3a & 3b		09:00 – 10:50
Refreshment and Network Break <i>sponsored by</i>		10:50 – 11:20
Technical programme – Sessions 3a & 3b		11:20 – 12:30
Lunch <i>sponsored by</i>		12:30 – 14:00
Technical programme - Sessions 4a & 4b		14:00 – 15:15
Refreshment and Network Break <i>sponsored by</i>		15:15 – 15:45
Technical programme – Session 4a		15:45 – 16:55
Technical programme – Session 4b		15:45 – 17:30

Thursday, 23 February

Welcome Coffee <i>sponsored by</i>		08:30 – 09:00
Conference registration <i>sponsored by</i>		08:30 – 15:45
Exhibition open		08:30 – 15:45
Technical programme – Session 5a		09:00 – 10:50
Session 5b		09:00 – 10:15
Refreshment and Network Break <i>sponsored by</i>		10:15 – 11:20
Technical programme – Session 5a		11:20 – 13:05
Technical programme – Session 5b		10:45 – 11:55
Lunch		13:00 – 14:00
Technical programme – Session 6		14:00 – 15:50
Refreshment and Network Break <i>sponsored by</i>		15:50 – 16:15

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Sponsors:



ThyssenKrupp Uhde



Monday, 20 February

12:00 Registration and Refreshments for Pre-conference course

13:00 – 18:00 **Pre- Conference Workshop: Aspects of Urea Manufacturing**

15:00 Conference registration
Sponsored by **Global Toyo**



15:00 Exhibition open

18:30 *Welcome Reception*



Tuesday, 21 February

08:00 *Welcome Coffee*
Sponsored by **Stamicarbon**



08:00 Conference registration
Sponsored by **Global Toyo**



08:00 Exhibition open

Keynote Session 1: Market Influences

09:00 **Welcome and Session Chairman's opening remarks**
Nick Edwards, General Manager, Fertilizers, **CRU**

09:10 **Current trends in gas supply, demand and price formation**
Patrick Heather, Senior Research Fellow, **Oxford Institute for Energy Studies**

09:45 **Nitrogen Fertilizers - Current market situation and outlook**
Evgenia Apostolopoulou, Consultant, Fertilizers, **CRU**

10:20 **Conventional energy substitution via syngas/methanol – Conceptual no more**
Mark Berggren, Managing Director, **Methanol Market Services Asia (MMSA)**

10:55 *Refreshment & Network Break*
Sponsored by **Stamicarbon**



11:25 **The outlook for nitrogen industry in China**
Rong Zhang, Secretary General and Senior Engineer, **China Nitrogen Fertilizer Association (CNFA)**
(This paper will be presented in CHINESE, please ensure you get a HEADSET for interpretation at the registration desk BEFORE the session starts)

12:00 **Emission Trading Scheme – Effects on the fertilizer industry and implications for future market dynamics**
Tore Jenssen, Consultant representing **Fertilizers Europe, Jenssen Consulting**

12:35 *Lunch*
Sponsored by **Johnson Matthey Catalysts and ThyssenKrupp Uhde**



ThyssenKrupp Uhde

Tuesday, 21 February

Session 2: Synthesis Gas Technology and Operations

- 14:00 Welcome and Session Chairman's opening remarks**
Dr Klaus Ruthardt, Head of Process, Hydrogen & Nitrates Division, **ThyssenKrupp Uhde GmbH**
- 14:05 Comparison of synthesis gas generation concepts for capacity enlargement of ammonia plants**
Joachim Johanning, Head of Process Development Group, Ammonia & Urea Division, **ThyssenKrupp Uhde GmbH**
- 14:35 Agri Tech Capacity Enhancement 135 (PACE135)**
Rehan Munir, Project Manager, **Agri Tech Ltd**
- 15:05 Questions and answers**
- 15:15 Refreshment & Network Break**
 Sponsored by **Stamicarbon**
- 15:45 Coal gasification for ammonia plants**
Bharthwaj Anantharaman, Senior Process Engineer, **KBR, Inc**
- 16:15 Catalyst catastrophes III – More tales of the unexpected**
Peter Broadhurst, Technical Manager - Syngas Products, **Johnson Matthey Catalysts**
- 16:45 Development of a welding consumable for improving metal dusting resistance of new Ni Alloy 696**
Shinosuke Kurihara, Technology Management, **Sumitomo Metal Industries, Ltd**
- 17:15 Questions and answers**
- 17:30 After-Session Drinks Reception**
 CRU, SBN, Unidense & Saipem
- 18:30 End of conference day 1**



Wednesday, 22 February

08:30 **Welcome Coffee**
Sponsored by **Stamicarbon**



08:30 **Conference registration**
Sponsored **Global Toyo**



08:30 **Exhibition open**

Stream A: Session 3a: Urea Technology and Operations (I)

- 09:00 **Chairman Opening Remarks**
Mark Brouwer, Director, **UreaKnowHow.com**
- 09:05 **Innovations in environment management at GNFC urea plant**
Arun Agrawal, Additional General Manager, **Gujarat Narmada Valley Fertilizers Co. Ltd**
- 09:35 **Emission control in urea plants during normal operation and during upsets – Why so many different solutions?**
Martina Schmitz, Head of Urea Process Group, Ammonia & Urea Division, **Thyssen Krupp Uhde GmbH**
- 10:05 **How green is the Stamicarbon urea process?**
Alfi Soemardji, Process Engineer, **Stamicarbon bv.**

10:35 **Questions and answers**

10:50 **Refreshment & Network Break**
Sponsored by **Stamicarbon**



- 11:20 **Commissioning and early operating experience at the world's largest single-train urea complex**
Muhammad Idrees, Unit Manager Operations - Urea Plant, **Engro Fertilizers Ltd**
Fausto Ferrari, Technical Manager, **Saipem SpA**

- 11:50 **On-site refurbishment of badly corroded urea reactors improves reliability**
Naseer Ahmed, Head of Engineering Department, **DH Fertilizers Ltd**

12:20 **Questions and answers**

12:30 **Lunch**
sponsored by **Süd-Chemie and CasaleGroup**



Stream B: Session 3b: Methanol Production Technology

- 09:00 **Chairman Opening Remarks**
Lisa Connock, Technical Editor, **BCInsight Ltd**
- 09:05 **Oman Methanol Company – The first four years**
Ghaliya Alshabibi, Project Engineer, **Oman Methanol Co**
- 09:35 **Successful implementation of a revamp in West Africa**
Marco Badano, Deputy Dept Head in Research & Development, **Casale Group**
- 10:05 **The IMAP process – A new approach to cost-effective coproduction of methanol and ammonia**
Pat Han, Chief Engineer Technology Supervisor, **Haldor Topsøe A/S**

10:35 **Questions and answers**

10:50 **Refreshment & Network Break**
Sponsored by **Stamicarbon**



- 11:20 **GigaMethanol® – The next big thing in methanol business**
Norbert Ringer, Group Product Manager Methanol, **Süd-Chemie AG**


- 11:50 **Modernization of steam turbines as compression drives for ammonia and methanol production**
Dr Dariusz Knitter, Head of Product Development, **ALSTOM Power**

12:20 **Questions and answers**

12:30 **Lunch**
sponsored by **Süd-Chemie and CasaleGroup**



Session 4a: Urea Technology and Operations (II)

- 14:00 Chairman Opening Remarks**
Pan Orphanides, Technical Advisor, Orphanco
- 14:05 Modernizing an integrated urea complex by introduction of advanced technologies**
Luca Rugnone, Urea Process Engineer
Urea Casale SA
- 14:35 A novel large-scale, energy-efficient urea technology**
Rinat Anderzhanov, Senior Process Researcher
Research & Design Institute of Urea
- 15:05 Questions and answers**
- 15:15 Refreshment & Network Break** sponsored by **Stamicarbon** 
- 15:45 A urea major's approach to the 6,000-t/d jumbo-scale urea plant**
Kenji Yoshimoto, Process Manager, Process Technology, Toyo Engineering Corporation
- 16:15 Evolution of the urea training simulator – Features and benefits of its use**
Rob Faessen, Protomation bv
- 16:45 Questions and answers**
- 16:55 Close of session**

Session 4b: Nitric Acid Environment & Technology

- 14:00 Chairman Opening Remarks**
Emmanuel Papaconstantinou
Engineering Department Manage
Hellenic Fertilizers and Chemicals Elfe S.A.
- 14:05 Future frameworks for N₂O emission reduction projects – Emission trading opportunities and N₂O regulations past 2012**
Marten von Velsen-Zerweck
Managing Director
N.serve Environmental Services GmbH
- 14:35 Nitrous oxide decomposition – The challenges and choices being faced**
Iona Page, Technical Sales Manager
Johnson Matthey Noble Metals
- 15:05 Questions and answers**
- 15:15 Refreshment & Network Break** sponsored by **Stamicarbon** 
- 15:45 Selection of optimum catalyst technologies in ammonia burners**
Thorsten Keller, Technical Manager Nitro Technologies, Heraeus Materials Technology GmbH & Co. KG
- 16:15 An holistic approach to improving the nitric acid production process**
Knut Burchard, Global Sales Director
Umicore AG & Co. KG
- 16:45 Integrating Nitric Acid & Ammonium Nitrate Production Facilities**
Klaus Ruthardt, Head of Process, Hydrogen & Nitrates Division, ThyssenKrupp Uhde GmbH
- 17:15 Questions and answers**
- 17:30 Close of session**

Thursday, 23 February

08:30 **Welcome Coffee**
Sponsored by **Stamicarbon**



08:30 **Conference registration**
Sponsored by **Global Toyo**



08:30 **Exhibition open**

Stream A: Session 5a: Ammonia Technology and Operations

- 09:00 **Chairman Opening Remarks**
Richard Hands, Editor, Nitrogen + Syngas Magazine, **BCInsight Ltd**
- 09:05 **A Novel and Simple Tool for Data Reconciliation in Ammonia Plants**
Arsalan Naeem, Process Engineer, **Fauji Fertilizer Co.**
- 09:35 **Reduce Sea Cooling Water (SCW) Consumption in Petrochemical Industries Company (PIC) plants through Six Sigma Project**
Mesaed S. AlNabhan, Export Team Leader, **Petrochemical Industries Ltd**
- 10:05 **The role of APC and OTS in safe and optimized operation of nitrogen and syngas plants**
Koji Akamatsu, Chief Manager, **Mitsubishi Chemical Engineering Corporation**
- 10:35 **Questions and answers**
- 10:50 **Refreshment & Network Break**
Sponsored by **Stamicarbon**
- 11:20 **CO₂ removal from syngas using piperazine activated MDEA and potassium dimethyl glycine**
Scott Alvis, Business Development, **Optimized Gas Treating, Inc.**
- 11:50 **Improvements in the CO₂ removal system of CFCL's No 2 ammonia plant to enhance CO₂ recovery and quality**
Upendra Singh, General Manager – Production, **Chambal Fertilisers & Chemicals Ltd**
- 12:20 **Mechanical and metallurgical concerns in ammonia plants**
Davide Bassi, Dty Dept Head, Engineering & Construction, **Ammonia Casale SA**
- 12:50 **Questions and answers**



Stream B: Session 5b: Nitrogen Fertilizer Finishing

- 09:00 **Chairman Opening Remarks**
Henry W. King, Urea Technology Manager, **PCS Nitrogen Fertilizer LP**
- 09:05 **Latest improvements in indirect cooling technology for granular fertilizer**
Walter Türk, Vice President Europe & International Sales, **Solex Thermal Science Inc.**
- 09:35 **New possibilities for control and optimization of screening processes**
Oliver Pikhhard, Head of Technical Department, **RHEWUM GmbH**
- 10:05 **Questions and answers**
- 10:15 **Refreshment & Network Break**
Sponsored by **Stamicarbon**
- 10:45 **Fertilizer finishing process for AN and NPKs with Rotoform HS 2000**
Kumar Swamy, Sandvik Process Systems, **Sandvik Process Systems**
- 11:15 **Two case studies of retrofitting an existing dedusting/ammonia removal system in a urea plant**
Maria Skorupka, President & CEO, **PROZAP Engineering Ltd**
- 11:45 **Questions and answers**
- 11:55 **Session Close**
- 13:00 **Lunch**



13:05 Lunch

Session 6: Ammonia Technology and Operations (II)

- 14:00 Chairman Opening Remarks**
Norbert Ringer, Group Product Manager
 Methanol, **Süd-Chemie AG**
- 14:05 Sustainable ammonia production – Reducing energy consumption and improving efficiency with high- performance catalytic technology**
Stefan Gebert, Global Product Manager-
 Ammoniac, **Süd-Chemie AG**
- 14:35 Catalysing profit margin in ammonia plants**
Kristina Svennerberg, Marketing Manager, Shift
 Catalysts & Ammonia & Methanol Synthesis
 Catalyst, **Haldor Topsøe**
- 15:05 How much catalyst is needed for synthesizing ammonia?**
Shashi Singh, Senior Process Manager
KBR, Inc
- 15:35 Questions and answers**
- 15:50 Refreshment & Network Break**
 Sponsored by **Stamicarbon**
- 16:15 Conference close**

