



الاتحاد العربي للأسمدة
Arab Fertilizer Association
هبة عريضة دولية

Since 1975

In co- operation with



thyssenkrupp

Program

AFA WORKSHOP

Operation and Maintenance Optimization

Jordan - Aqaba: 11-14 April, 2016

Sponsors:



البوتاس العربية
Arab Potash



Jordan Phosphate
Mines Co.



Indo-Jordan
Chemicals Co.



Nippon-Jordan
Fertilizer Co.



KEMAPCO- Arab Fertilizers
& Chemicals Industries Ltd.

DAY 1: Monday 11 April, 2016

08:30 **Registration**

09:30 **AFA Welcome Address**

10:00 – 10:15 **Opening Address**
(Keynote: Mr. Boris Van Thiel)

10:15 – 10:45 **Tkis General Presentation**
(Dr. Malcolm Cook)

10:45 Networking Coffee / Tea

11:00 – 13:00 ***Session I***

- **General presentation of tkis Asset Management O&M Capabilities**
Mr. Stefan Dähn & Mr. Olaf Kraska
- **Maintenance Strategies & Contracting Options**
Mr. Stefan Dähn
- **Maintenance Engineering - From Equipment to Maintenance Plans**
Mr. Olaf Kraska
- **Recent Asset Management Projects and their Particular Challenges**
Mr. Stefan Dähn & Mr. Olaf Kraska

13:00 Networking Coffee / Tea

13:15 – 14:45 **Session II**

- **Service Portfolio for Mining Systems & Materials Handling Equipment**
Mr. David Bovenkerk
- **Crushing, Grinding & Pyroprocessing**
Mr. Tobias Koch
- **Operation with Modern Crushing Technology**
Mr. Tobias Koch

14:45 Networking Lunch

Hosted by: Jordanian Fertilizer Companies

DAY 2: Tuesday 12 April, 2016

09:00 – 10:30 **Session III**

- **Plant Assessments (GAP analysis) - Identification of Projects to Improve O&M Performance Optimization**
Mr. Stefan Dähn
- **Success Factor CMMS - Implementation and Optimization**
Mr. Stefan Dähn & Mr. Olaf Kraska
- **Spare Parts Handling**
Mr. Richard Kempken

10:30 Networking Coffee / Tea

11:00-13:30

Session IV

- **The Newest Development for Sulphuric Acid and Sulphur Melting Plants, Emission Reduction and Improved Heat Recovery**
Dr. Z. Guetta
- **DH PAP Plants Upgrades: Inherited Values in Transforming DH Based Processes to HH Based Processes**
Mr. Malik Aqel
- **DA-HF Process for Plant Upgrades of DH Plants.**
Mr. Tibaut Theys -Prayon
- **Operational Reliability of Filters in Phosphoric Acid Plants.**
Mr. Michel Dassy -Profile

13:30 General Discussion

14:30 Networking Lunch

Hosted by: Jordanian Fertilizer Companies



DAY 3: Wednesday 13 April, 2016

09:00-11:00

Session V

- **Safe Start-up of Ammonia / Urea Plants under Challenging Circumstances**
Mr. Christoph Meissner
- **Energy Consumption for Ammonia / Urea Production, Analysis and Optimization**
Mr. Christoph Meissner
- **tkis Technology Services for Your Ammonia Plant**
Dr. Guenter Voelker
- **New Loading Method for NH₃ Converter**
Dr. Guenter Voelker

11:00 Networking Coffee / Tea

11:30-13:30

Session VI

- **Challenges in integrated AN Complexes**
Dr. Jens Mathiak
- **Granulated Ammonium Sulphate Plant**
Dr. Jens Mathiak
- **Increase of Production Capacity of Existing Ammonia Plants**
Mr. Christoph Meissner

13:00 General Discussion

14:00 Closing

14:30 Networking Lunch

Hosted by: Jordanian Fertilizer Companies

DAY 4: Thursday 14 April, 2016

8:00-14:00

Site visit to JPMC

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