

Program

AFA Recent issues in energy saving and HSE Seminar, Jordan, 19-21, Dec

Marriot, Amman

Day 1, 19th Dec 2023

8:00- 9:00 Registration

9:00 - 09:30 Opening Ceremony



Welcome speech by AFA Secretary General. JPMC
Chairman of the Board,

Chemist / Saad Abou Maaty, AFA Secretary General

Dr. Mohammad Thneibat, JPMC Chairman of the Board



**Introduction of the seminar's objectives and agenda, and the importance
of energy saving and HSE in the fertilizer industry**

**Keynote speech. Energy Initiatives of Amman Chamber of Industry serving Jordanian manufacturing
Sector**



**Dr. Nael Al Husami
CEO -Amman Chamber of Industry**

9:30- 11:30 Pathway to Energy Saving and Decarbonization in the Fertilizer Industry



Pathways to Decarbonization of Facilities using Renewable Energy and Latest Technologies

Dr. Samer A. Zawaydeh, Industrial Fellow, Al Hussein Technical University



Step-wise Retrofitting of Ammonia Plants from Gray to Blue to Green
Fred Kessler, Head of Ammonia & Urea Revamp Group, Thyssenkrupp Uhde



Global Ammonia Benchmarking within EU Carbon Border Adjustment Mechanism

Mark Eggleston, Director for Phillip Townsend Associates European and Middle East Operations

11:30- 12:00 Coffee break

12:00- 13:30 Energy Efficiency and water saving in the industrial sector



How can the use of Prayon's equipment led to significant energy and water savings in P₂O₅ production

Paul-Henri Legros, General Manager, Prayon



Energy Consumption & Optimization

**Dr. Osama Saadeh, President's advisor for Sustainability and
Technology Integration, Energy Engineering Department**

German Jordanian University

13:45- 15:00 Best Practices in Energy Conservation



Energy consumption and optimization: Principles, international standards, and practical case study

**Eng. Abdel Rahim Jaradat, Electrical Planning Superintendent, Arab
Potash Company**



Best practice in minimizing utilities and power consumption in fertilizer granulation unit

**Eng. Musleh Abu Obeid, Plant manager of Nippon Jordan Fertilizer
Company NJFC**

15:00- 16:00 Lunch

Day 2, 20th Dec 2023



Moderator: Introduction of the day two objectives and agenda, and Speakers

Eng. Enaam Alzawahreh

Manager of projects Department, Jordan Phosphate Mines Co.

9:00 – 10:30 Advancements in Phosphogypsum Utilization and Occupational Health & Safety in Mining and Phosphate processing operations



Health and safety challenges in phosphate mining and processing operations
Prof. Dr. Ing. Khaleel Abushgair, Al-Balqa Applied University, Faculty of Engineering Technology, Mechanical Engineering Department



Recent Research and Practical Advancements in the Utilization of Phosphogypsum for Innovative Applications
Ashraf Alsafasfeh, PhD, Assistant Professor, Mining Engineering Department/Tafila Technical University

10:30 – 11:00 Coffee break

11:00– 12:30 Alternative energy sources and carbon reduction in Fertilizers complexes



Best Practices in Energy Conservation at JPMC Aqaba Fertilizer Complex and IJC Plants in Jordan

A. Vettri vel Murugan –Plant Head, Indo Jordan Chemicals company ltd, Jordan



“Dredger’s electrification project (Alternative energy & carbon reduction)”

Eng. Amer Al Nawaiseh, Electrical Manager, Arab Potash Company



Integrated Process for Potassium Sulfate and a mixture of Ammonium Chloride/Potassium Sulfate Salts Production

Dr. Yousef Mubarak

Professor of Chemical Engineering, University of Jordan



Dr. Deeb Abu Fara

Professor of Chemical Engineering, University of Jordan

12:30 -13:00 Coffee break

13:00 – 14:00 Closing and Certificates Ceremony

- Recap of key insights and learnings from the seminar
- Closing remarks
- Certificate Ceremony

14:00- 15:00 Energy Saving Working Group Meeting

15:00- 16:00 Lunch Break

16:00- 17:00 HSE Working Group Meeting

19:00- 21:00 Gala Dinner

Day 3, 21st Dec 2023

08:30- 10:30 Transportation from Hotel to Arab Potash Plant

10:30- 11:30 welcome and presentation on Process plants

11:30- 12:30 Site Visit

12:30- 13:30 Lunch

14:00- 16:00 Transportation back to hotel