



الإتحاد العربي للأسمدة  
Arab Int'l. Organization هيئة عربية دولية  
**Arab Fertilizer Association**

Since 1975



# AFA WORKSHOP

Health, Safety & Environment  
in Fertilizers Industry:

## Time for Excellence

Program by:



4-6/9/ 2018

Bahrain

**AFA** is delighted to announce the organization of the Safety, Health and Environment workshop under the theme "Health, Safety & Environment in Fertilizers Industry: Time for Excellence" Supported by **GPIC** during the period 4-6/9/2017 Manama, Bahrain, this unique event will showcase the industry's achievements and innovations in HSE management, and will highlight best practices leading to SHE excellence in operations.



Fertilizer industry is committed to maintain safe, healthy and clean environment for all the employees, visitors and community by applying standards, laws and regulations for Health, Safety and Environment (HSE) through Process Safety Management

## WORKSHOP OBJECTIVES:

- To share best practices in SHE management
- To help build commitment on behalf of the fertilizer industry towards excellence in safety, health and environment
- To demonstrate to the local communities and the public at large that the fertilizer industry has taken and is taking action to continually improve safety in production
- Positioning your company regarding World Class Companies best practices.



## WHO SHOULD ATTEND?

- **HSE Professionals**
- **Maintenance and Operations Engineers professionals**
- **Key Supervisors Planners, Schedulers and Work Preparers**
- **Key Operations Supervisors**
- **Key Maintenance support assistants**
- **Other stakeholders in the Maintenance and Operations Function**
- **Industry leaders (Management) operating in fertilizer industry.**



# WORKSHOP TOPICS:

Description	Subject	Proposal Topics of Interest
Operational Excellence	<p>Safety has come a long way in the past 40 years and the number of worker injuries/illnesses have dropped significantly. The industry should be proud of this reduction, but safety is evolving. No longer should a company look solely at workplace injuries to determine if they are Best-in-Class. It is about transforming the business into one that strives to achieve optimal performance while preventing all incidents. Productivity and safety are intrinsically linked, therefore, they both must be managed in chorus under One Operational Excellence Strategy.</p>	<ul style="list-style-type: none"> <li>- Reinforce the bridge between safety and production systems</li> <li>- Improve the Behavioral safety through cultural mindset change</li> <li>- Implement world-class operational standards</li> <li>- Low energy concept</li> </ul>
Process Safety Management	<p>The processes in the plant shall be studied to understand the hazards involved in operation. The plants shall be classified using commonly available risk matrices that consider the potential severity and likelihood of occurrence. Subsequently, control measures shall be implemented to eliminate or reduce the risk to an acceptable level.</p>	<ul style="list-style-type: none"> <li>- Behavioral safety through mindset change</li> <li>- Emphasize the management of hazards associated with highly hazardous chemicals and establish a comprehensive management program that integrates technology, procedures and management practices</li> <li>- PSM assurance through asset integrity</li> <li>- Comprehensive "Management of Change" process</li> </ul>





**Contractor Safety Management**

One of the major and most common safety management concerns in industry is Contractor Safety Management. A Gap in safety engagement and execution levels or a breach in turnaround management can lead to costly delays and severe safety incidents which can include the loss of life.

- Improve the Contractor Safety Management Process
- Implement an efficient turnaround management process

**Occupational Health**

The Occupational Health program should be focusing primarily on reducing health risks to employees in order to ensure that all employees are at minimum possible risk

- Process hazard analysis and risk management
- Improve the fitness to work controls through health protocols
- reduce and control health risks exposure by effective occupational health management

**Environmental Excellence**

Meeting the challenge of minimizing the pressures on natural resources, reducing the environmental footprint across the value chain and innovating to meet demands for more environmentally sustainable solutions is so critical to every industrial plant future success. That makes environmental excellence one of a plant strategic priorities.

- Global emission legislation
- Climate Change: Reduce the CO2 footprint
- Phosphogypsum Challenge: Eliminate emissions