

2012 Oxygen Safety Seminar - Taiwan

Oxygen Safety Seminar

This Oxygen Safety Seminar will be conducted mainly in the **Chinese language** although all the slides are in English and Chinese and the speakers are bilingual. Speakers are from AIGA members in Asia.

The majority of participants are expected to be from Taiwan but overseas delegates are welcome. This programme has been developed by the leading experts in the industry and is based on a similar seminar at the **European Industrial Gases Association 2012 Meeting**.

Who should attend?

- The Seminar will benefit those new to the industry and those with industry experience but requiring refresher and update training on the fundamentals of oxygen safety.
- This may include technicians, managers and engineers involved in the installation and maintenance of oxygen systems, and plant managers, supervisors and operators involved in the production or use of liquid or gaseous oxygen or oxygen-enriched gas mixtures.

Programme Outline

The seminar will consist of the following sessions:

Each session is designed with sufficient time for delegates to have discussions and questions with the speakers.

- **Introduction to Oxygen Safety:**
This will begin with a review of incidents involving oxygen systems.
The importance and need to study oxygen compatibility is introduced through an understanding of the fire triangle, properties and hazards of oxygen, common ignition mechanisms and how the associated risks can be managed.
- **Material Compatibility and Selection:**
How the results of materials testing are used to produce guidelines for material selection.
- **Ignition Mechanisms and oxygen incidents:**
A wide range of mechanisms and effects can cause ignitions in oxygen atmospheres. This session will look at the common ignition mechanisms such as adiabatic compression and particle impact as well as lesser known effects, through examination of incidents that have occurred in the industry.
- **Standards for oxygen :**
Cleaning and inspection for oxygen service:
A review and guide to the wide range of standards covering the design and operation of oxygen systems, including the existing EIGA/AIGA documents that cover the subject. An examination of the proper cleaning methods for equipment used in oxygen service.
- **Oxygen risks in Air Separation Units design:**
An evaluation of oxygen risks that must be considered when designing Air separation units.

Registration

For delegates in Taiwan, you may register with the Taiwan High Pressure Gases Association.

For overseas delegates, you may contact the Secretary General at aigasec@singnet.com.sg for details (No registration fee required)

2012 Seminar - Taiwan Oxygen Safety Programme

Venue : National Taipei University of Technology (1, Section 3, ZongXau East Road , Taipei)

Date : **6 September 2012**

Section		Time	Speakers
1.	Registration	08:15~08:45	Organizer/sponsors
	Opening	08:45~09:10	
2.	Introduction to Oxygen Safety	09:10~10:00	P.K. Lam (Linde)
	(Break)	10:00~10:20	
3.	(i) Materials and Oxygen Compatibility (ii) Decision Making for oxygen equipment	10:20~11:20	P.K. Lam (Linde) Henry Liu (Air Liquide)
4.	Ignition Mechanism and Oxygen Incidents <ul style="list-style-type: none"> • Part 1 • Part 2 	11.20 ~12:20	P.K. Lam (Linde) Henry Liu (Air Liquide)
	(Lunch)	12:20~13:20	
5.	(i) Standards for oxygen	13:20~14:50	Michael Lin(Air Products)
	(ii)Cleaning inspection for oxygen service		
	(Break)		
6.	Oxygen Safety in ASU design	15:20~16:10	Bill Pearce(Praxair)
7.	Quiz Conclusions and closing	16:10 -16.50	Henry Liu(Air Liquide)

Organizers:



行政院勞工委員會

Council of Labor Affairs



Taiwan High Pressure
Gas Industrial Association



Asia Industrial Gases
Association



國立臺北科技大學

National Taipei University
of Technology