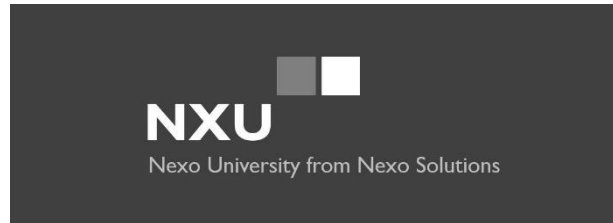




## **NXU | Nexo University**

### **ONSITE TECHNICAL TRAINING SEMINARS**



## **Amine Unit & Dehydration Unit**

### **Operations | Optimization | Troubleshooting**

Basic Principles

Contamination Control

Equipment Details

Problems & Troubleshooting

Process Set Points

Maintenance & Optimization



## Objectives

To train and inform participants about amine and dehydration units, their basic concepts, unit components, equipment functions and the problems associated with their operation. The objective is also to train on troubleshooting strategies, critical parameters set points, process optimization and to discuss real cases and common problems associated with amine units.

## Who should attend

- Process Engineers
- Operations
- Maintenance Personnel
- Managers & Supervisors
- Technical Specialists
- R&D Personnel
- Purchasing Personnel
- Engineering & Construction Personnel
- Suppliers
- Consultants

## Why you should attend

- Amine and dehydration unit performance can be overlooked and poorly understood.
- Deficient operation and contamination control is the leading cause of process instabilities, solvent losses and lower overall profitability.
- Proper knowledge of amine and dehydration units is critical for ensuring high process performance and proper reliability.
- Lack of formal training across process industries leads to uninformed decision-making.

## Benefits of attending

- Understand the technical and economic aspects of amine units and performance.
- Gain insights into design details, operating parameters and optimization skills.
- Network with peers and attain valuable exposure to real cases and on-site experience.
- Become familiar and recognize operational failures; perform troubleshooting.

# Technical Seminar Included Contents

## Amine Units

- Amine Unit Chemistry and Solvent
- Process Equipment and Functions
- Operations and Process Parameters
- Scheduled Maintenances
- Amine Solvent Analysis
- Inlet Separation
- Lean Amine Filtration, Rich Amine Filtration and Activated Carbon Beds
- Foaming and Foam Control
- Solvent Losses and Solvent Recovery
- Fouling and Corrosion
- Amine Solvent Degradation and Heat Stable Salts
- Liquid-Liquid Treating
- Optimization and Troubleshooting
- Real Cases and Problem Solving

## Dehydration Units

- Understanding water content in natural gas
- Purpose of dehydration units TEG and Molsieves units
- TEG unit chemistry and equipment details
- TEG unit stripping and Stahl columns
- TEG unit operation and maintenance
- TEG unit common challenges and optimization
- Molsieve unit chemistry and equipment details
- Molsieve unit operation and maintenance
- Common issues in Molsieve units
- Dealing with BTEX
- Glycol for hydrate control
- Real Cases and Problem Solving

Note: not all onsite technical training seminars will have the same content or include all items above

## Customized Seminars

NXU Nexo University technical training team customizes many technical seminars for specific needs, specific facilities or to provide focus in certain aspects. Please contact us for more information on our technical training programs at [nxu@NexoSolutions.com](mailto:nxu@NexoSolutions.com)