



External Training Course

Process Upsets, Troubleshooting and Optimization

From 12 Aug. To 16 Aug. 2024

**Radisson Blu Hotel, Amsterdam City
Center, Netherlands**

**Mr. Ghanem F. Al-Otaibi
GM & Institute Owner**

☛ **Tel.: 00965 22248901**
☛ **Mob.: 00965 65548855**
☛ **Email: admin@agi-kw.com**

☛ **Fax: 00965 22204999**
☛ **Mob.: 00965 97273712**
☛ **Email: agi-kw@hotmail.com**

W/SITE: WWW.AGI-KW.COM

External Training Course:

**Process Upsets, Troubleshooting and
Optimization**

From 12 Aug. To 16 Aug. 2024

Fees: 1750 KD

Course Description

This Troubleshooting Process Operation training seminar will enable delegates to remain abreast of the latest researched trends, techniques and strategies to improve the condition and performance of their operational process. This hands-on intervention will equip you with the necessary basic knowledge and skills to optimize the function, daily running, and maintenance of the five main aspects of the operation, such as demographics, infrastructure, systems and plant. Delegates will learn and review the core competencies required for successful operation and implementation of an effective operations process against the background of the current global economic downturn. They will complete several in-seminar assignments, which will enhance their problem solving skills and which will serve as an action plan for improvement. Setting the correct priorities and doing the right thing, makes all the difference to your performance. This training seminar will include:

- Terminologies, Tools and Techniques for RCFA.
- A modern holistic approach to understanding the operational process.
- Process Maturity Indexing; Planning; and Protocols.
- Exact performance measurement and performance management modeling.
- More than one hundred "Human Factors" as a Source of Error.

Objectives

Participants attending this training seminar will:

- Gain a broad understanding and appreciation of the core functional aspects of how an effective operational process should operate.
- Review the six standard maintenance improvement tactics and their selection technique to ensure reliable process plant & equipment.
- Learn how to develop a comprehensive operational process resource and support system analysis.
- Understand the principles of an operational audit, develop your own process standard.
- Gain insight and understanding into the unique leadership and motivation principles required for technical process operation and management.

Course Agenda & Outline

DAY 1: Review of Basic Modern Operations Practice

- Review of Modern Operational Practice in the light of the Global Economic Recession.
- Integration of Maintenance and Production to establish a World Class Operations Department.
- Generic Performance Measurement Model using a 6 point Scale.
- Combining the parameters of Speed; Quality; and Cost; in maintenance performance measurement.
- The 10 point Planning Standard and the role of the Planning Department.
- Variability Analysis.
- Developing effective Strategies for the Operational Process in order to achieve organizational excellence and continuous improvement.

DAY 2: Standard Maintenance Improvement Initiatives

- Selecting the “Correct” Maintenance Tactic Mix
- Reliability Centered Maintenance (RCM)
- Total Productive Maintenance (TPM)
- Run To Failure (RTF)
- Condition Based Maintenance (CBM)
- Time Based Maintenance (TBM)
- Skills Level Upgrade (SLU)
- Design Out Maintenance (DOM)

DAY 3: Operational Resource Analysis

- A “Blueprint” for Effective Operational Practice
- Resource and Support System Analysis with Gap Analysis
- Leadership Development and Motivation of Operations Employees
- The PAS 55 Maintenance Process Standard
- Principles of Information Management
- Training, Awareness and Competence

DAY 4: Problem Solving in the Operations Environment

- Risk Identification, Assessment and Control
- Theory of Inventive Problem Solving
- Problem Solving Techniques and Application
- Exercises and Facilitation

DAY 5: Scenario Analysis and Action Plan Development

- Relationships Scenario Analysis
- Assessment Assignment
- Scoring of Your Operational Process
- Understanding the Complexity - Putting it all together

Course Details & Agenda:

(1st Day) Agenda

8.30	9.00	Opening Remarks (30 Min.). Mr. Fadi Nabil Salfeti (Course Coordinator) with Dr. EL HADY ENNAHOUI (International Trainer).
9.00	11.30	<u>DISCUSS COURSE OBJECTIVES:</u> <ul style="list-style-type: none"> • Review of Basic Modern Operations Practice. • Standard Maintenance Improvement Initiatives. • Operational Resource Analysis. • Problem Solving in the Operations Environment. • Scenario Analysis and Action Plan Development.
11.30	12.00	Coffee Break
12.00	14.00	<u>Review of Basic Modern Operations Practice:</u> <ul style="list-style-type: none"> • Review of Modern Operational Practice in the light of the Global Economic Recession. • Integration of Maintenance and Production to establish a World Class Operations Department. • Generic Performance Measurement Model using a 6 point Scale. • Combining the parameters of Speed; Quality; and Cost; in maintenance performance measurement. • The 10 point Planning Standard and the role of the Planning Department. • Variability Analysis. • Developing effective Strategies for the Operational Process in order to achieve organizational excellence and continuous improvement.
14.00	14.30	Questions and Discussion
14.30		Buffet Lunch

(2nd Day) Agenda

9.00	11.30	<u>Standard Maintenance Improvement Initiatives:</u> <ul style="list-style-type: none"> • Selecting the "Correct" Maintenance Tactic Mix. • Reliability Centered Maintenance (RCM). • Total Productive Maintenance (TPM). • Run To Failure (RTF).
11.30	12.00	Coffee Break
12.00	14.00	<u>Standard Maintenance Improvement Initiatives:</u> <ul style="list-style-type: none"> • Condition Based Maintenance (CBM). • Time Based Maintenance (TBM). • Skills Level Upgrade (SLU). • Design Out Maintenance (DOM).
14.00	14.30	Questions and Discussion
14.30		Buffet Lunch

(3rd Day) Agenda

9.00	11.30	<u>Operational Resource Analysis:</u> <ul style="list-style-type: none"> • A “Blueprint” for Effective Operational Practice. • Resource and Support System Analysis with Gap Analysis. • Leadership Development and Motivation of Operations Employees.
11.30	12.00	Coffee Break
12.00	14.00	<u>Operational Resource Analysis:</u> <ul style="list-style-type: none"> • The PAS 55 Maintenance Process Standard. • Principles of Information Management. • Training, Awareness and Competence.
14.00	14.30	Questions and Discussion
14.30		Buffet Lunch

(4th Day) Agenda

9.00	11.30	<u>Problem Solving in the Operations Environment:</u> <ul style="list-style-type: none"> • Risk Identification, Assessment and Control. • Theory of Inventive Problem Solving.
11.30	12.00	Coffee Break
12.00	14.00	<u>Problem Solving in the Operations Environment:</u> <ul style="list-style-type: none"> • Problem Solving Techniques and Application. • Exercises and Facilitation.
14.00	14.30	Questions and Discussion
14.30		Buffet Lunch

(5th Day) Agenda

9.00	11.30	<u>Scenario Analysis and Action Plan Development:</u> <ul style="list-style-type: none"> • Relationships Scenario Analysis. • Assessment Assignment.
11.30	12.00	Coffee Break
12.00	14.00	<u>Scenario Analysis and Action Plan Development:</u> <ul style="list-style-type: none"> • Scoring of Your Operational Process. • Understanding the Complexity - Putting it all together.
14.00	14.30	Questions, Discussion & Conclusion Training Course.
14.30		Buffet Lunch