



Instrumentation:

- Online Process Analyzer & Chromatograph
- Tubing & Compression Fittings with Hands on Practice

Nov 13 - 15, 2018

(3 - Day Technical Program)



FAUJI FERTILIZER COMPANY LTD.

www.ffc.com.pk

Workshop Overview

Benefits:

The training workshop is designed to share our knowledge with our colleagues from the local industry.

Program comprises of online process analyzers, chromatograph and tubing. Both topics are critical and the backbone of industry. Overlook and lack of acquaintance with maintenance causes analyzers to go out of service. Similarly with tubing; a minor leakage from tube fittings, wrongly installed fittings or cross thread problems may lead a running plant to shut down. The course helps both engineers and technicians in polishing their skill further through latest techniques.

Our Approach is Interactive & Personal:

Prepared directly by instrument industry engineer, training incorporates a hands-on approach, with interactive lectures, case studies, visual demos, group discussions more of a forum of technical executives; an environment quite different from typical training institutes.

All participants are invited to utilize the rich

experience of the instructor to its maximum by discussing their own plant cases for general benefit of the class.

Workshop Structure:

A day wise breakup of the program is included for a total duration of 3 days.

Our Inherent Expertise:

FFC has now been involved with imparting training to the local industry since more than a decade at our plant. Our workshop faculty are our brightest engineers selected from our running plants to deliver relevant and practical knowledge to our colleagues from other industries.

This training workshop is now being conducted at our Head Office in Rawalpindi by highly experienced technical expert.

Target Audience:

This workshop is intended for:

- Maintenance / Instrument Engineers
- Maintenance / Instrument Supervisors
- Technicians (Instrument, Electrical, Machinery, Mechanical, Chemists etc.)

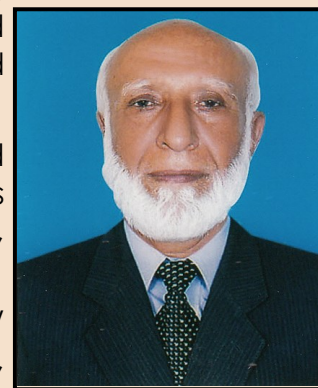
Instructor Profile

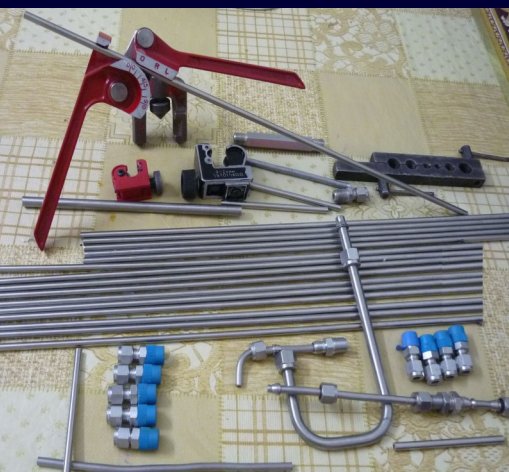
Mr. Aftab Ahmed Mazari holds vast practical experience of 43 years as an Instrument Engineer. He started his career from Pakistan Steel and worked with them for 10 years. Then joined Fauji Fertilizer Company and retired with an enriched experience of 30 years.

Mr. Mazari also holds wide experience of Instrument consultation and training and has delivered courses to local as well foreign clients including SABIC KSA, and local multinationals like ENI, Lotte, BHP, Unilever, OMV etc.

He has developed various training aids for instrument engineers/ technicians which include simulators (training rigs), Vibration Simulator, Speed Simulator, Vibration Switch Simulator etc., and also cut-away models of Control Valves, PSVs, SOV, Pressure Regulator, Temperature Indicator, Trip Relay etc.

Mr. Mazari has also authored numerous books for Instrument / Operations crew which are referred to by instrument & operation personnel in various plants in Pakistan.





Day One:

* Online Process Analyzer & Chromatograph

- Introduction
- Sampling System
- Analyzer Shelter (House)
- Cylinders Safety
- pH Analyzer
- Conductivity Analyzer
- Infrared & Near Infrared Analyzers
- Oxygen Analyzer
- Chromatograph

Day Two:

* Tubing & Hands on Practice

- Introduction
- Characteristics of Pipe & Tubing
- Tube Run & Installation
- Tube Measuring & Cutting
- Tube Bending Offsets
- Removing Brs and Ridges
- Tube Bending Techniques
- Compression Fittings

- General Guide for Installing Tubes
- Identification of Proper Thread Sizes
- NPT vs Straight Thread
- Millimeters vs Inches Fittings

Day Three:

* Practical Session at Tubing

- To Familiarize & Use of Tools
- Different Tube Sizes / Compression Fittings Identification
- Practice of Flaring Device
- Tube Cutting Practices
- Tube Bending Practices
- Practice of Tubing as per Samples
- Discussion about:
 - Leakage from Fittings
 - Wrongly Installation of Tubing
 - Cross Thread
 - Tubing related Problems and Rectification

Workshop Dates :

The three-day training workshop will be held from 13 - 15 Nov 2018.

Venue:

The training will be conducted at FFC Head Office, SONA Tower situated opposite Pearl Continental Hotel (PC) on Mall Road in Rawalpindi Cantonment.

Training Fee:

The fee for our three (03) - day training program is **Rs. 30,000/-** (excluding tax) per participant.

Discounts:

Early bird discount of 10% available for all nominations received before 15th October, 2018.

Group discount of additional 10% for 3 or more nominations from an organization.

Lunch & Refreshments:

Refreshment breaks during workshop along with lunch at our cafeteria during the 3 workshop days are included in cost.

Registration:

Please fill in our application form for registration and email at **trainings_ts@ffc.com.pk**. Confirmation will be sent within one week of registration.

Payment Mode:

Payment is due upon receipt of the acceptance letter along with the invoice. Please ensure that the payment reaches the office before the start of the program. Our preferred mode of payment is by cheque / banker's draft payable to Fauji

Fertilizer Company Limited.

Please send the cheque / draft to:

**Technical Services (HO),
Fauji Fertilizer Company Ltd,
Sona Tower, 156 - The Mall, Rawalpindi,
Tel: +92-51-8454840**



Cancellation/Substitutes & Refund:

In case a registered participant is unable to attend, please inform at least 2 days before the workshop for any substitute participation. Cancellation is free up to 7 days before workshop start date (except for an application processing fee of **Rs. 5,000**). A refund will not be possible after that or in case of no show.

For Queries Contact:

Mr. Ameer Hamza

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