



3novex MENA
Conference . Seminar . Training

a division of  **3novex Global**

PROCESS ANALYZERS AND SAMPLING SYSTEMS

Achieve optimal performance through understanding of operating principles, possible interference and practical knowledge

26th - 29th September 2022
(8.00am - 4.00pm)

**LeMeridien Dubai
Hotel & Conference
Centre, UAE**

COURSE CONTENT

This intensive 4-day workshop covers the following, while not limiting to: -

- Introduction to the world of 'Quality Measuring Instruments'
- Measurement Accuracy & Quality Assurance
- Analyzer Sampling & Conditioning
- Analyzer House & Risks of Sample Stream Selection
- How to Avoid 2-Phase Sample Condition & Fractionation
- How to Avoid Excessive Response Times caused by 'Dead Legs' & Sample Vaporization
- Conditioning Design Exercise
- New Development LNG Vaporizer
- Principles of Gas Chromatography
- Applied Detectors & Peak Quantitation Methods in Process GC's
- Viscosity Theory & Practical Measurement
- Measurement Methods for Heating Value & Calorific Value
- Oxygen Analysis for Combustion Control
- Density Online Measurements
- Spectroscopic Analysis IR, UV, FTIR & Raman
- Moisture & Hydro Carbon Dew Point Theory and Practice
- Water Types of Analysis: pH and Conductivity a.o.

AIM

In this course, complete analyzer systems are discussed while special attention is given to applied sampling systems next to the main types and principles of currently applied Process Analyzers ranging from Physical Properties, online Chromatography, Water type analysis to Gas Detection systems while advantages and disadvantages are clarified with the aim to enhance the understanding the operational ranges and limitations of each type of analysis system