Analyser & Sampling Systems

Training Analyser Housings

The 7 module (online) training that focuses on engineering considerations for analyser cabinets, shelters and houses

With our roots going back to 1974, 360°KAS has a long history in providing packaged analyser solutions for various industrial production processes worldwide. We share this 45 years of experience via a training that focusses on the various considerations encountered when engineering analyser cabinets, shelters and houses.

The objective of this training is to guide the participant through the variety of decisions to be taken to come to a solid design of an analyser housing. Each 1-hour module can be followed online or combined into a 1 day (in-company) course. This training is open for anyone interested or working in the field of engineering, oil & gas and/or system integration.

Module 1.1 Introduction & Applicable Standards

On-line process analysers are frequently grouped together and installed in analyser housings. Most companies have their own specifications for the design of these analyser housings used in combination with International Standards. This module explains why we use analyser housings and highlights the requirements laid down in the most common industrial standards IEC, ISO and API.

Module 1.2 Location in the Field

When determining the location of the analyser house or shelter in the field, an optimum between the prevailing area classification, distance to sample take off points, distance to utility interface points, the available space and foundation quality have to be found. This module focusses on the engineering considerations relative to these topics.

Module 2 Construction and Dimensions

This module focusses on the engineering considerations relative to the type of construction and required dimensions versus cost and required analysis. Design factors related to the location in the field, the geographical environment where the equipment will be located, and the required analysis determine the dimensions and selected construction.



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Module 3.2 Calibration & Validation Facilities	Engineering Trust
Validation is the verification of an analyser against a known standard, recording the deviation of the analyser result with the standard value. When the analyser result is outside the agreed deviation limits, the analyser needs to be adjusted to provide the proper result called Calibration. This module focusses on the methods used and the considerations when engineering the facilities required.	360°KAS is an independent system integrator th serves industrial production processes worldwi with high-end pilot plants, analysing, sampling
Module 5 Power Distribution & Signals	and full system integration solutions. We take care of the whole process from basic and detail design, through procurement and final system integration on site.
This module encompasses the engineering of electrical materials in and outside the analyser house, i.e. lighting, wall sockets, earth bars, power distribution panels, junction boxes, cabling and safety switches.	 If results are valuable to your business and standa solutions do not work, 360°KAS is your partner. Yo should be able to rely on your systems; 360°KAS is driven to be the quality leader in our field of exper Our portfolio encompasses: Analyser & Sampling Systems From sample take-off, sample preparation, sam storage up to actual analyser measurement we able to provide you with a fit for purpose and trustworthy solution. Pilot Plants
Module 7 Heating, Ventilation & AC	 R&D Test Units for continuous, semi-continuous and batch, dedicated and multi-purpose, fixed/ fluidized bed, liquid, gas and multi-phase reacter applications. LNG Sampling Systems
The purpose of a Heating Ventilation & Air Conditioning system is to create a safe and acceptable working environment for personnel and equipment. This module focusses on the climatologic and technical aspects associated with the selection of a HVAC unit.	 Serving the Liquid Natural Gas (LNG) value chai with a variety of smart solutions to sample LNG from a cryogenic flow. Spares, Service & Maintenance All services necessary to maintain and operate your systems safely and accurate from initial st up till controlled end of life cycle. Instrument Sales Our portfolio of distributed products.
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