A CORRECT ACTION FOR A SAFE RESULT

Training Offer List

M1-Field/Panel Operator Basic Training

M2-Advanced Sulphur Recovery Units Training

M3-Advanced Amine Treatments Units Training

M4-Advanced Heater conduction Training

M-0101-2023

Revision	Date	Description	Prepared By	Reviewed By
A	13/9/2023	Internal Review	RPU	PDA
B	17/09/2023	Internal Review	RPU	

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M1- Field/Panel Operators Basic Training

Aim of the training M1 is to detailed explain the bases and concept about how an Oil & Gas factory works and gives the necessary information and instructions to work in the oil and gas field

Explaining in easy and clear way the concept regarding:

- Safety Aspect and Risk of working with Hydrocarbons
- What is the oil
- Vessels
- Distillation Column
- Reactors
- Heat Exchangers
- Pumps
- Compressors
- Turbines
- Heaters (Furnaces)
- Control Loops
- Instrument (level, flow, temperature transmitters, and how they work
- Process Variable and how to control them
- Electrical Generators
- Electrical Distribution
- ICSS, SCADA, DCS and PLC and difference in their application
- Refinery Units

Duration for the Training is one week, 8h per day compressive of 3 breaks (middle of the morning, lunch time and middle of the afternoon).

The Training M1, can be customized accordingly the Client necessity and related to the Units presents in the Client field.

The Training M1 consist in class Training and accordingly with the Client wishes it can be extended in field to better explain and show to the trainees the concept explained.

At the end of the training, the trainees will be able to safely and correct operate the equipment and Oil & Gas Units

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M2-Advanced Sulphur Recovery Units Training

Aim of the Training M2 is to detailed and deep explain the risks, the reactions, the different type of SRU (Sulphur Recovery Units), the parameters to be strictly followed to obtain a correct conduction, the variable that can lead to off-set, the main errors done during the conduction of a SRU, the function and reaction of a TGU (Tail Gas Unit) and parameters to be respected and/or adjusted for the correct conduction of the unit, the main troubles that can happen and how to resolve it.

The training M2 consists in:

- Risks related to the H_2S, precaution to put in place to deal with this gas
- Historical Introduction & Applications, a journey of SRUs through the years
- Plant Description
- Chemistry
- Real World Cases Studies
- Operational Excellence
- Health, Safety & Environment
- Reliability

Duration for the Training M2 is 5 days, 8h per day compressive of 3 breaks (middle of the morning, lunch time and middle of the afternoon).

The Training M2, can be customized accordingly the Client necessity and related to the Units presents in the Client field.

The Training M2 consist in class Training and, accordingly with the Client wishes it can be extended in field to better explain and show to the trainees the concepts explained

At the end of the training, the trainees will be evaluated on their ability to safely and correctly operate the SRU and the risk linked to this unit.

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M3-Advanced Amine Treatments Units Training

Aim of the Training M3 is to detailed and deep explain the risks, the reactions, the different type of Amine Treatments Units, the parameters to be strictly followed to obtain a correct conduction, the variable that can lead to off-set, the main errors done during the conduction of an Amine Unit, the function and reaction of a regeneration and sweetening column, the unwished reaction and how avoid it.

The training M3 consists in:

- Risks related to the H_2S, and Amine, precaution to put in place to deal with these composts
- Typical off set during the conduction of this unit
- Evaluation of type of amine accordingly the gas composition
- Chemistry
- Process Variable and how to adjust them

Duration for the Training M3 is 5 days, 8h per day compressive of 3 breaks (middle of the morning, lunch time and middle of the afternoon).

The Training M3, can be customized accordingly the Client necessity and related to the Units presents in the Client field.

The Training M3 consist in class Training and, accordingly with the Client wishes it can be extended in field to better explain and show to the trainees the concepts explained

At the end of the training, the trainees will be evaluated on their ability to safely and correctly operate the Amine Unit and the risk linked to this unit.

M4- Advanced Heater conduction Training

Aim of the Training M4 is to detailed and deep explain the risks, the operations, the different type of heaters, the parameters to be strictly followed to obtain a correct conduction, the variable that can lead to off-set, the main errors done during the conduction of a Heater.

The training M4 consists in:

- Risk related to the conduction of Heaters and precaution to put in place
- Stochiometric
- Type of Heater
- Pre-operation before light a Heater
- How to safely light a heater
- Flame verification
- Difference between forced air and natural air heaters
- Re-start heater after trip
- Variable to be considered in a Heater conduction

Duration for the Training M4 is 5 days, 8h per day compressive of 3 breaks (middle of the morning, lunch time and middle of the afternoon).

The Training M4, can be customized accordingly the Client necessity and related to the Units presents in the Client field.

The Training M4 consist in class Training and, accordingly with the Client wishes it can be extended in field to better explain and show to the trainees the concepts explained

At the end of the training, the trainees will be evaluated on their ability to safely and correctly operate the Heaters and the risk linked to this item.

Our Trainers

Training Code	Trainer
M1	Roberto Pusceddu
M2	Danilo Pia/Roberto Pusceddu
M3	Danilo Pia
M4	Efisio Floris

Our trainers collect about a century of experience in the oil and gas field, from operation, commissioning and start-up and several collaborations around the world with big companies in the Oil & Gas field, both upstream and downstream.

Their wish is to transfer this know how to new generations, in easy and compressible way, don't forgetting the mistakes their faced in their long experience.

In their experience, they had the opportunity to training several employees in different job position.

They still cooperate with engineering, commissioning and operations companies, correcting, where it is necessary, the mistakes that already they have faced in their long experience.