



Sulphur Recovery & Tail Gas Treating

Consultant / Trainer:

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The **Petrogenium**. Sulphur Recovery and Tail-Gas Treating training provides unique insight into the design and operation of Sulphur Recovery and Tail gas treating units. Over many years the **Petrogenium**. experts have gathered deep technical expertise in design, commissioning, start-up, operation, optimization and troubleshooting of SRUs, Tail-Gas Treating units and associated equipment. This knowledge and resulting best practices built the foundation for the course.

Participants

This **Petrogenium**. course can be tailored for awareness/inexperienced staff, for intermediate and for experienced personnel. Furthermore the course can be customized for a specific refinery, plant or unit. The option for post-course consultancy/help-desk support is also available.

Participants may include: engineers as well as operational staff; depending on the participants, the training can receive a theoretical profile or focus more on practical aspects.

The duration of the course is flexible. 1.5 days is the minimum although this can be extended to 3 days dependent on the client: the programme example given is for 3 days. Operator training will typically be limited to 2 days.

Learning Objectives

In the more technology and design focused 3-day course, a wide overview of commercially available and proven technology is provided highlighting pros and cons of each option including their specific limitations. Especially engineers and project developers will find this concept useful.

For operators a training program of 2-days, focussing on the actual technology at site, best practices and other operational aspects is available.

The operator training is to focus on the process technology installed at the particular site. For this option DCS screenshots of the particular site are included into the course program to allow more site-specific discussion about operating parameters and unit line-ups.

Programme

Day 1

Sulphur Recovery Fundamentals:

- Introduction and environmental impact
- Sulphur Recovery Unit equipment
- Tail gas incineration (thermal, catalytic)
- Sulphur degassing

Day 2

Sulphur Recovery Unit Operations:

- Instrumentation and control
- Commissioning and start-up
- Normal operation, monitoring, shutdown
- Hot and cold standby
- Trouble shooting
- Performance testing and analytical
- Process safety

Day 3

Tail Gas Treating and Sulphur process description, equipment, operation, advantages/ disadvantages:

- SCOT process
- Superclaus® and Euroclas® process
- Sub-dewpoint processes
- Cansolv
- WSA process®
- Thiopaq®
- Sulphur Storage