

Gas Processing Operations – Initial

PT Samson Tiara certified Gas Processing Operations – Initial training for engineers and oil and gas operations personnel, covering natural gas composition, gas gathering, acid gas removal, amine sweetening, dehydration, NGL extraction, compression, cooling, troubleshooting, and safety practices.

DURATION	VALIDITY	LANGUAGES	DELIVERY	ACCREDITED BY
5 Days	2 Years	English · Indonesian	On Request	Samson Tiara



Overview

Gas Processing Operations – Initial is a PT Samson Tiara certified course designed to provide engineers and oil and gas operations personnel with a comprehensive understanding of gas processing operations.

The course focuses on critical aspects of gas processing, including natural gas treatment, dehydration, sweetening, compression, hydrocarbon recovery, NGL extraction, troubleshooting, and safety practices. It is designed to build practical understanding and support improved operational efficiency within the oil and gas industry.

Participants will develop knowledge of the fundamentals of gas processing, safe and efficient operation of gas treatment systems, and the identification, analysis, and resolution of common operational issues that may affect reliability and performance.

Who is it For?

This course is suitable for engineers and personnel involved in oil and gas operations who require an initial technical understanding of gas processing systems, including:

- Engineers working in oil and gas operations
- Operations personnel involved in gas processing
- Process engineers
- Production engineers
- Facility engineers
- Maintenance and technical personnel supporting gas processing facilities
- Personnel involved in gas treatment, dehydration, compression, or troubleshooting activities

Course Delivery

The course is delivered over **5 days**. Training is available at PT Samson Tiara's Cilegon and Jakarta facilities, or as an in-house programme.

Learning Objectives

By the end of the Gas Processing Operations – Initial course, participants will be able to:

- Demonstrate a solid understanding of the fundamentals of gas processing.
- Operate gas treatment systems safely and efficiently, applying best practices in day-to-day operations.
- Identify, analyse, and resolve common operational issues to improve system reliability and performance.

Course Content

- Natural Gas Composition and Properties: An Overview
- Gas Gathering and Transmission Systems
- Acid Gas Removal: Amine Sweetening Processes
- Gas Dehydration Systems: Glycol and Molecular Sieve Technologies
- Hydrocarbon Recovery and NGL (Natural Gas Liquids) Extraction
- Compression and Cooling Processes
- Troubleshooting Common Operational Problems
- Safety Practices and Considerations in Gas Processing

Prerequisites

Participants should have a bachelor's degree in engineering or equivalent, or experience in oil and gas operations.

Assessment

Participants must successfully complete the course based on the required performance standards in order to receive certification.

Certificate

Participants who successfully complete the course and meet the required performance standards will receive:

- PT Samson Tiara Gas Processing Operations (GPO) certificate.

Ready to book?

Contact our booking team for the latest schedule and registration.

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