

# UNDERSTANDING THE BENEFITS OF SPLITTER SYSTEMS

*“Maximizing operational efficiency and safety through splitter system applications”*

## Schedule

Date	Venue	Fees (Online)
14 May 2026	Online	USD 450 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

## Introduction

Splitter systems play a vital role in separating, distributing, and controlling flows in industrial processes, ensuring operational efficiency, safety, and cost-effectiveness. Understanding their applications, benefits, and operational principles is essential for engineers, operators, and technical staff involved in process industries.

This 1-day intensive training provides participants with practical knowledge of splitter systems, including their types, operational advantages, installation considerations, and maintenance practices. Participants will learn how to optimize performance, reduce downtime, and implement best practices for effective system utilization.

## Objectives

By the end of this course, participants will be able to:

- Understand the function and benefits of splitter systems
- Identify different types of splitter systems and their applications
- Evaluate operational and safety advantages of implementing splitter systems
- Apply best practices for installation, operation, and maintenance
- Optimize system performance and reduce operational costs
- Integrate splitter systems knowledge into process operations
- Make informed decisions for process efficiency and reliability

## Why Attend

- Learn how splitter systems improve operational efficiency and reliability
- Gain insights into safety, performance, and cost benefits
- Understand types and applications of splitter systems
- Apply real-world best practices for operation and maintenance
- Enhance decision-making for process optimization

## Target Audience

This program is designed for:

- Process and mechanical engineers
- Operations and maintenance personnel
- Technical staff involved in process flow and distribution
- HSE professionals overseeing system safety
- Supervisors and managers in process industries

## Individual Benefits

Key competencies that will be developed include:

- Understanding splitter system types, functions, and benefits
- Ability to optimize system performance
- Knowledge of operational and safety considerations
- Skills to apply best practices in installation and maintenance
- Increased confidence in managing process distribution systems

## Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved operational efficiency and system reliability
- Enhanced safety and reduced downtime
- Better integration of splitter systems into process operations
- Optimized performance and reduced costs
- Strengthened technical capabilities in system management

## Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings - Overview of splitter systems and benefits
- Case Studies - Real-world applications and operational results
- Workshops - Hands-on exercises in system evaluation and optimization
- Peer Exchange - Group discussions on lessons learned and best practices
- Tools - Templates, diagrams, and practical guidelines for system assessment

## Course Outline

Detailed 1-Day Course Outline

Training Hours: 9:00 AM – 3:30 PM Daily Format: 3–4 Learning Modules | Coffee breaks included

Day 1: Understanding Splitter Systems

Module 1: Introduction to Splitter Systems (09:00 – 10:30)

- Overview, purpose, and benefits of splitter systems
- Key terminology and concepts

Module 2: Types and Applications (10:45 – 12:15)

- Different splitter system designs and functions
- Use cases in various industrial processes

Module 3: Operational Benefits and Best Practices (01:00 – 02:15)

- Efficiency, safety, and performance considerations
- Installation, operation, and maintenance best practices

Module 4: Workshop – System Evaluation Exercise (02:30 – 03:30)

- Practical exercise to evaluate and optimize splitter system performance
- Group discussion and review

## Certification

Participants will receive a Certificate of Completion in Understanding the Benefits of Splitter Systems, validating their knowledge and practical competence in applying splitter systems for improved operational performance and safety.

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