

Course Code:

Duration: 2 hours

Target Audience:

Mechanical Maintenance

Operators

Engineers

Plant Management

Suggested Class Size:

1-25 Students

Suggested Prerequisites:

None

Delivery Method:

Lecture

Instructor led discussion

Hands on exercises

Evaluation:

Class Participation

Skill Performance

Measures

# Plattco Maintenance Training

## Course Description and Goal

This course provides an introduction to Plattco Double Flap Valves. Topics include the proper adjustment and maintenance of the valves as well as work hazards and common troubleshooting and repair problems.

Our factory certified technician will facilitate this training; bringing hundreds of hours of field experience to the table. Plattco valves are currently installed in over 50 countries and in hundreds of different applications, giving us a wealth of experience with the applications and the managing common operational issues that arise.

In the classroom training we will showcase our different types of valves and slide gates and their corresponding functions, while covering a side-by-side comparison of the benefits of a Double Flap Airlock Valves to a Rotary Valve.

This training is designed to be very interactive and a forum for two way feedback. We have used feedback from our customer's frontline employees to design-in new features and perfect maintenance tips and tricks over the years. Plattco's unique Easy Maintenance Technology offers a quick, easy way to replace seats and flappers without having to disassemble the valve or take it out of line. Ease of maintenance and our innovative "valve within a valve" engineering philosophy are field-proven hallmarks of an application-tested Plattco valve technology.

During the hands-on portion participants will learn how to efficiently and safely inspect the valves for wear. Participants will be able to identify the wear items and identify items that will lead to premature deterioration and failure of the valve. We will demonstrate the ability to properly remove and replace wear components and adjust the actuation of the valve for optimal performance and reduced energy consumption. We will also allow for Q & A specific to items concerning the plant. The class participants' involvement will dictate the length of the class.

Agenda	Lesson Goals	Resources
<p><b>Instructor/Student Introductions (15 Minutes)</b></p> <ul style="list-style-type: none"> <li>• Review agenda and expectations</li> <li>• Discuss field experiences</li> </ul> <p><b>Overview of the Plattco Replacement Parts and Field Service Programs (15 Minutes)</b></p> <ul style="list-style-type: none"> <li>• Field Service Program</li> <li>• Regrind Program</li> <li>• Safety enhancements</li> </ul> <p><b>Routine Maintenance (30 Minutes)</b></p> <ul style="list-style-type: none"> <li>• Lubrication</li> <li>• Adjustments</li> <li>• Measuring seal</li> </ul> <p><b>Valve Actuation (30 Minutes)</b></p> <ul style="list-style-type: none"> <li>• AC alignment</li> <li>• Alignment of linkage</li> <li>• Motor &amp; gearbox</li> </ul> <p><b>In Field Repairs (30 Minutes)</b></p> <ul style="list-style-type: none"> <li>• Seat/Flapper replacement</li> <li>• Arm, shaft, bearings</li> </ul>	<ul style="list-style-type: none"> <li>✓ Understand elements of Plattco Replacement Parts and Field Service Program and how to use them <ul style="list-style-type: none"> <li>• Describe how to send back seats and flappers for resurfacing</li> <li>• Describe how to utilize our field service program</li> <li>• Understand what safety enhancements are available</li> </ul> </li> <li>✓ Perform an inspection on the Plattco valves</li> <li>✓ Identify worn parts in need of replacement</li> <li>✓ Perform proper adjustments on Plattco valves</li> <li>✓ Demonstrate how to properly adjust the metering valves</li> <li>✓ Understand when and where to use and not use lubrication on the Plattco valves</li> <li>✓ Inspect a gearbox</li> <li>✓ Replace a worn seat and flapper</li> <li>✓ Describe the operation of a double flap valve</li> </ul>	<ul style="list-style-type: none"> <li>✓ Installation Manual</li> <li>✓ Maintenance Training Guide</li> <li>✓ Plattco Mobile Demonstration Unit</li> </ul>