

# Ballast Water Treatment System (BWTS) Operations and Troubleshooting – Samsung Purimar and NK-03

The Ballast Water Treatment System (BWTS) Operation and Troubleshooting Course is designed to provide a comprehensive understanding of the principles, components, and operation of the BWTS system used for disinfecting ballast water. The course covers the fundamental principles of the system, including the functions and operations of its various components. Additionally, the course aims to prepare learners to identify and troubleshoot likely faults that may arise in the BWTS system's different components.



Program taught by  
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## Program Objectives

- ✓ Explaining the basic principles of Samsung Purimar and NK-03 BWTS in disinfecting ballast water.
- ✓ Discussing the function and working of the various components of the BWTS system.
- ✓ Interpreting the P & I diagram and understanding the operation of the system.
- ✓ Identifying likely faults and troubleshoot problems that could occur with the various components of the BWTS system.
- ✓ Demonstrating steps for logging data in the Samsung Purimar and NK-03 BWTS system.

## Program Contents

- ✓ Basic principles of NK-03 BWTS in disinfecting Ballast water
- ✓ Function and working of the various components of the NK-03 BWTS system.
- ✓ Study of the P & I diagram and familiarization with the operation of the system.
- ✓ Likely faults and troubleshooting the problems that could occur with the various components.
- ✓ Steps for logging data.



Program Duration: 1 day (Samsung Purimar), 2 days (NK-03)  
Target Participants: First Assistant Engineer, Chief Engineer