

MAIN ENGINE REMOTE CONTROL SYSTEM FAILURE REPAIR

1. Incident

On **03 January 2026**, a **3,000 DWT gas carrier** lost its maneuverability while berthing at **MIPEC Gas Terminal**. Upon receiving the emergency request, **MTB Engineering Service** promptly dispatched its engineers to the vessel. After a thorough inspection, the root cause was identified as **a faulty valve in the Main Engine Remote Control System**.

MTB engineers dismantled, overhauled, and restored the defective valve. Following functional testing and sea trial, the remote control system resumed normal operation, allowing the vessel to return to service.

In **April 2026**, the same vessel experienced a similar maneuvering failure at **MIPEC Gas Terminal**. This time, MTB's inspection revealed that **another component within the same remote control system had failed**. After repair, overhaul, and system testing, the remote control system was fully restored, and the vessel resumed normal operation.

2. Lessons Learned

The two incidents occurring within a short period demonstrate that failures in a remote control system are often not limited to a single component. Once a valve or control component begins to deteriorate, other components operating under the same conditions may also become susceptible to failure if the entire system is not inspected and maintained.

3. MTB Recommendation

These repeated failures highlight the importance of **preventive maintenance** for the entire Main Engine Remote Control System. Rather than replacing only the failed component, MTB recommends periodic inspection and overhaul of all critical control components to improve system reliability, minimize the risk of maneuvering failures, and ensure safe vessel operation.

Preventive maintenance is always more effective and cost-efficient than emergency repairs while the vessel is in service or during critical berthing and departure operations.

PROJECT FACTS

Vessel: LPG Carrier, 3,000 DWT

Location: MIPEC Gas Terminal, Vietnam

Service: Main Engine Remote Control System Repair

Date: January & April 2026

