



Location: During voyage Value: £1,200,000 Programme: 5 Months

Requirement

The Thomson Celebration cruise ship was suffering from an increasing maintenance requirement due to its ageing internal pipework system. The existing copper system had become severely corroded, leading to frequent leaks and other issues.

Inter Marine personnel were involved in the installation & commissioning of a modern replacement, opting for a Georg Fischer INSTAFLEX polybutylene piping system.

The pipework, which runs from the engine room to a total of 605 guest cabin facilities on board, was causing considerable maintenance problems and an effective solution was urgently required, without impacting on the operational schedule of the vessel.

Inter Marine

The INSTAFLEX electro fusion system used has advantages over traditional systems since no hot work is required and the pipework can be installed dry and fused later. This method of working significantly reduced client disruption and minimised disturbance to passengers while the cruise ship was still in service.

The system is also better suited to cope with the increased chlorine levels generated by the ship's new reverse osmosis plant, which was installed to generate fresh water on board.

After product training provided direct by Georg Fischer, experienced engineers commenced work on the replacement of the corroded copper pipe work.

All risers and engine room compartments were run in cunifer and welded in-situ.

Result

The installation process was completed within schedule while the ship was in service, and there were zero passenger complaints during the project. Following this project's success, Inter Marine personnel undertook similar Georg Fischer INSTAFLEX installations on the MV Discovery, MV Hebridean Princess (Discovery Cruises) and P&O European Seaway vessel.