

Safety as top priority when F.T. Everard installed fully automated Marine Tank Management system from Emerson

RESULTS

- Customized MTM system meets the enhanced focus on safety
- Fully automated VRC system minimizes human failures
- Training platform for crew before starting loading or discharging

APPLICATION

Coastal tanker

CUSTOMER

F.T. Everard and Sons, London, Great Britain (Now James Fisher and Sons plc)

CHALLENGE

To maintain high operational reliability and enhanced safety with the construction of four new coastal tankers F.T. Everard and Sons wished to rethink technological solutions. Being one of the most dangerous industries, the Marine industry focuses 100 % on safety in all aspects. Strict classification rules and operational regulations ensure that everything is done to avoid and prevent dangerous and hazardous situations. An automated MTM system allowing better monitoring and control has a major impact on daily life onboard and is an important and reliable partner when the ship is in port or at sea.

SOLUTION

F.T. Everard began a close cooperation lasting more than 1 year with Emerson Process Management in order to design and develop a customized marine tank management system. A system 100 % fit to meet all expectations of the customer and to heighten the safety level on board. It resulted in an advanced valve remote control system with 240 valves, pump controls, radar level gauging for the cargo tanks with temperature and vapor measurement and ballast and draft gauging.

Introducing new features, such as one and two valve separation alarms between different grades of cargo for enhanced safety, detailed cargo planning and control, as well as ballast control, heating and cleaning, giving the crew all information needed to make better operational decisions. After having validated the cargo plan, adherence is then monitored by the system throughout the operation, and any deviation produces an alarm condition, an immense benefit for the operators.



The ability to safely carry products is of paramount importance and comprehensive efforts have been made to provide these vessels with cargo handling equipment and a control and monitoring system that is without equal and creates new standards within the industry.

F.T. Everard and Sons Ltd

Marine

To ensure broad experience and technical knowhow of the system a simulation programme was supplied by Emerson and all crew members had a walk-through of the system before starting on-board cargo operations.



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