IMPROVING THE BERTHING AID SYSTEM

Since international trade has become more and more prevalent and orders and ships just keep getting bigger, making timely deliveries has never been more important. For berthing and unberthing applications, sonar and radar are used to gauge a vessel’s position. However, this traditional method is not accurate or reliable enough, and consequently warnings often come too late. The latest solution integrates embedded computers into the BAS (berthing aid system) to aid in the speed and distance detection of vessels using infrared rays.

SYSTEMS REQUIREMENTS

- A web-based real-time berthing aid system
- Industrial-grade and wide temperature products fit for harsh environments
- Front-end data computing and storing
- DI/DO interface to connect humidity and temperature readers
THE SOLUTION

In order to protect both vessels and landing docks, a real-time, efficient berthing and warning system was developed. This real-time BAS (berthing aid system) continuously detects the position of the vessels and uses embedded computers to collect and send the data pertaining to the vessel's position to a large display on the dock and to the control center simultaneously. This allows operators to manage the berthing and unberthing of the ships in a smooth and timely manner. In addition, the operators can send pre-warnings, which allow time for action to be taken before it is too late.

The latest system employs infrared rays to detect the speed and distance of the vessel and then Moxa's IA240-T embedded computer relays this information to a dock display in real-time. At the same time, the IA240-T will send this information along with humidity and temperature readings back to the control center.

WHY AMPLICON

With 40 years experience in supplying high end solutions and many similar projects already completed Amplicon were first choice to supply hardware for this high profile project.

If you would like more information please contact our industrial computing sales engineers on 01273 570 220 or email sales@amplicon.com.