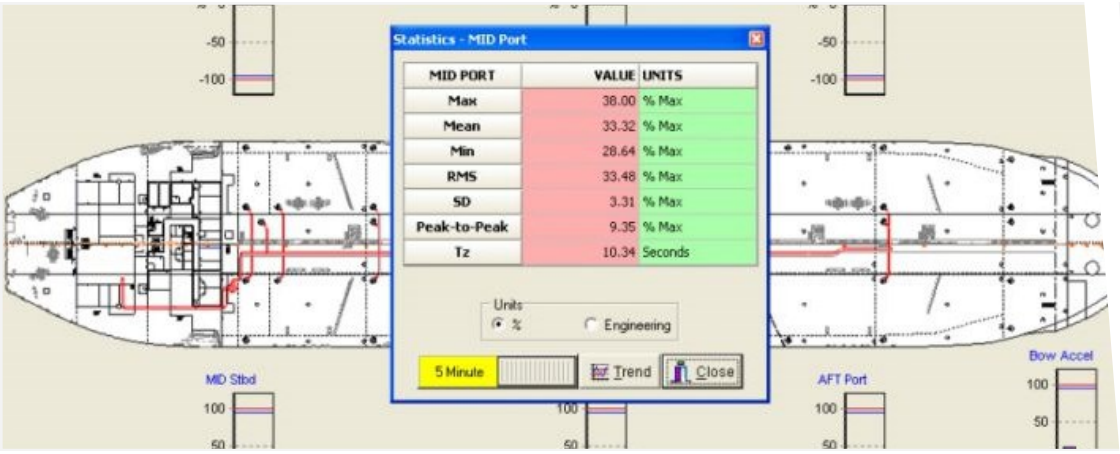
Hyundai StressAlert System order

Case Study



Strainstall secures Hyundai Heavy Industries (HHI) StressAlert System order for new 18,000 TEU vessel.

Strainstall, a part of James Fisher and Sons plc, has recently secured an order to supply their StressAlert Hull Stress Monitoring system (HSMS) to Hyundai Heavy Industries for installation on a new 18,000 twenty-foot equivalent units (TEU) carrier. The container carrier is owned by China Shipping Container Lines and installation of the HSMS is scheduled for October 2014.

Strainstall's StressAlert HSMS monitoring technology is the result of over 45 years at the leading edge of load measurement, strain and stress determination.

"We are delighted to have received this order from Hyundai Heavy Industries. This is testament to our years of experience and the quality of monitoring technology that Strainstall produces."

Frank Rose, Strainstall Systems Engineer

Who

Hyundai Heavy Industries (HHI)

Summary

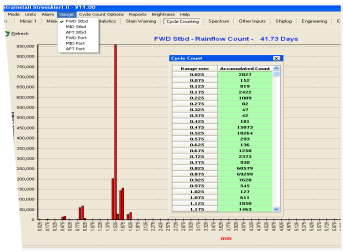
Strainstall to supply Hull Stress Monitoring System to Hyundai Heavy Industries (HHI). An 18,000 TEU vessel is one of the largest containers carriers ever to be built

Services provided

- Use of measuring techniques and specially developed load monitoring and data acquisition instruments to monitor and solve problems

Benefits delivered

- Hull structural integrity is continuously monitored and displayed, and advanced algorithms contained within StressAlert enable predictions of hull status and fatigue life deterioration to be determined
- StressAlert enhances vessel safety due to a reduction in high stress incidences, enabling fuel savings and facilitating effective voyage management
- The system provides instant access to the vessel's hull stress status, whether derived from dynamic wave action or induced stresses from cargo operations, allowing the ship's master to alter course and speed to reduce stress levels



James Fisher and Sons plc
T: +44 (0) 1229 615 400
E: enquiries@james-fisher.com
W: www.james-fisher.com

Strainstall
T: +44 (0) 1983 203 600
E: enquiries@strainstall.com
W: www.strainstall.com