

LEVELMASTER®

Success story - MPV Texas Horizon

Kockum Sonics delivers level and draught gauging system LEVELMASTER® and loading computer LOADMASTER® to Multi Purpose Vessel "Texas Horizon" owned by Horizon Offshore Contractors.

Early 2006, Kockum Sonics released its latest level and draught gauging system, LEVELMASTER H8. The system is based on the well-known and reliable electro pneumatic principle. The system is well suited for newbuildings as well as retrofits and makes for simple and straightforward integration with other systems such as loading computers and automation systems.

Kockum Sonics was contacted in order to provide a retrofit of the existing level and draught gauging system and also the loading computer. Based on documentation sent from the vessel to Kockum Sonics a quote for a retrofit of the system was made.

The scope was to supply not only system components but also to carry out the actual installation of piping etc. Kockum Sonics decided to carry out the project in concert with Ramtech Marine Systems. Ramtech was in contact with the owner to coordinate and carry out the installation of the necessary piping. When the installation was done Kockum Sonics attended the vessel for the commissioning of the system.

The system collects and presents data on screen and gives the operator a full picture of the tank levels and draughts. The level gauging system is connected to Kockum Sonics "state of the art" loading computer LOADMASTER X5 online and provides accurate calculation of the ships current condition with regards to hull strength and stability calculations. The program is also fitted with a crane module to help the crew on board Texas Horizon with heavy lift calculations.

Our strength is your benefit!

LEVELMASTER® H8 system capabilities

LEVELMASTER tank and draught gauging provides a very cost effective way of upgrading. The system is tailor-made for tank and draught gauging and utilises technologies such as pressure sensor multiplexing and static pressure measurements in order to achieve the best cost/performance ratio possible. The system is built to be self-calibrating in order to maintain the accuracy throughout its life cycle. Every spare part comes pre-calibrated in order for the crew to be able to maintain the system without the need of service engineer attendance.

LEVELMASTER® H8 is of course compatible with other KOCKUM SONICS products such as LOADMASTER® X5 and SHIPMASTER®

Operational benefits

The following benefits can be derived from LEVELMASTER® retrofit:

- High accuracy +/- 1cm.
- Fast update rate for all tanks (7 sec).
- Low air consumption approx 0.5 l/min
- No electrical or moving parts on deck or EX-zone.
- Automatic Calibration
- Total number of spare parts 9 pieces
- Low investment cost

Project Management

The entire system was developed in Malmö, Sweden and was installed during a yard stay. Kockum Sonics developed the system based on the documentation sent from Horizon Offshore to Kockum Sonics. Ramtech Marine Systems carried out the installation with ease and handled the project flawlessly. The new system is fully modularised and makes for easy service and maintenance with readily available spares on a global basis.

"The project went smoothly from end to finish. Kockum Sonics contacted us a few times in order to get hold of the necessary documentation. After that they carried out their work without drawing resources from our own in-house technical staff"

Mr Waling Walthaus
System Specialist, Ramtech Marine Systems

HEADQUARTERS:

Kockum Sonics AB, Industrigatan 39, P.O. Box 1035, SE-212 10 Malmö, Sweden,
Tel: +46 (0) 40 671 88 00, Fax: +46 (0) 40 21 65 13
E-mail: info@kockumsonics.com, www.kockumsonics.com

CHINA SUBSIDIARY:

Kockum Sonics China, 2123 Pudong Da Dao 1509,
Dragon Pearl Complex, Shanghai 200135, CHINA
Tel: +86 (21) 5885 27 29, Fax: +86 (21) 6853 84 00

RUSSIA SUBSIDIARY

Kockum Sonics Russia, 14 Obvodny Kanal, RU
193019, St. Petersburg, RUSSIA
Tel: +7 (8) 812 567 70 04, Fax: +7 (8) 812 567 70 04

UNITED KINGDOM SUBSIDIARY:

Kockum Sonics (UK) Ltd., Unit 7 Leighton Industrial
Park, Billington Road, Leighton Buzzard BEDS LU7 8YL, UK
Tel: +44 (0) 1525 8523 23, Fax: +44 (0) 1525 8535 05

UNITED STATES SUBSIDIARY

Kockum Sonics LLC, 1922-H Corporate Square Blvd,
Slidell, LA 70458, LA, U.S.A
Tel +1 (1) 9856 4628 23, Fax: +1 (1) 9856 4628 83