

# “Steer the right course with Mariner Systems”



Since its incorporation in 1997 Mariner Systems (UK) Ltd has continued to be a world leader in the design, manufacture and supply of marine type-approved computer systems to the commercial maritime market.

Originally developed within Hewlett-Packard in the mid 1980s, the Mariner system concept was transferred to Mariner Systems (UK) Ltd in order to further develop the business. A subsequent and continual programme of new product introductions has resulted in an extensive product range which to this day still predominately incorporates Hewlett-Packard technology.

## HISTORY

<b>Mid 1980s</b>	Mariner system concept developed within Hewlett-Packard
<b>1997</b>	Mariner Systems (UK) Ltd established to provide a more extensive range of products to meet the growing requirements of the maritime market
<b>1998</b>	New offices opened in Wokingham, Berkshire
<b>2001</b>	Test laboratory opened in Spennymoor, County Durham
<b>2002</b>	Head office relocated to larger premises within Wokingham, Berkshire
<b>2003</b>	Achieved ISO 9001:2000 accreditation
<b>2007</b>	Head office facility expanded to meet growing product demand
<b>2009</b>	Test laboratory relocated to larger premises in Newton Aycliffe, County Durham to extend the range of environmental testing undertaken
<b>2010</b>	Test laboratory achieves UKAS accreditation
<b>2010</b>	Widescreen TFT monitors added to product range
<b>2011</b>	Mariner kit unit sales reach record levels



Every Mariner system is type-tested against the consolidated 'worst-case' requirements of all the following international marine Classification Societies:

**ABS, BV, CCS, DNV, GL, KR, LR, NKK, PRS, RINA**

Type tests included on the test programme are as follows:

- > Vibration, Shock, Static and Dynamic Inclination
- > Dry & Damp Heat, Low Temperature
- > Acoustic Noise, Compass Safe Distance
- > High Voltage, Power Supply Variation & Power Supply Failure
- > Conducted LF & RF, Electromagnetic Field
- > Radiated & Conducted Emissions, Electrostatic Discharge
- > Insulation Resistance, Burst / Fast Transients
- > Surge Immunity, Access to Dangerous Voltages

# “Proven solutions for a demanding environment”



## What is a Mariner system?

A Mariner system is a type-approved combination of computer hardware and our Mariner kit designed to support navigation, loading, control and general purpose applications on-board vessels. All Mariner systems are designed to operate in semi-controlled environments, e.g. bridge, operations room etc. The hardware is type-approved ONLY when used in conjunction with the correct Mariner kit.

The Mariner kit is a simple external mechanical assembly that needs no modifications to be made to the computer hardware. The installation of your Mariner kit should take no longer than 20 minutes.

## Which marine Classification Societies approve Mariner systems?

Mariner Systems (UK) Ltd. deal with all of the major marine Classification Societies in order to obtain their type-approval certificates, namely:

American Bureau of Shipping (ABS), Bureau Veritas (BV), China Classification Society (CCS), Det Norske Veritas (DNV), Germanischer Lloyd (GL), Korean Register of Shipping (KR), Lloyds Register of Shipping (LR), Nippon Kaiji Kyokai (NKK), Polski Rejestr Statkow (PRS) and Registro Italiano Navale (RINA).

## What standards are they tested against?

The marine type-approval testing schedule against which we submit our Mariner systems is a consolidated 'worst-case' requirement of all of these Classification Societies. The schedule is based on IACS Unified Requirement E10 and the relevant sections of IEC 60945.

## Can I buy my own hardware locally?

**YES.** Our customers often buy their required hardware locally and then purchase the Mariner kits direct from us. However, we are happy to act as a 'one stop shop' and provide you with a quote for the supply of complete packages including the hardware and Mariner kit if you prefer.

## What are the delivery timescales for Mariner kits?

We try to hold a limited number of Mariner kits in stock at all times. However, even if we do not have your Mariner kits in stock the MAXIMUM delivery lead-time is usually 3 to 4 weeks from receipt of your order confirmation.

## What warranties are available?

**Mariner Kits** – All Mariner kits have a three year warranty from the date of purchase and will be replaced FREE OF CHARGE by Mariner Systems (UK) Ltd. should you experience any problem with your Mariner kit during this period.

**Hardware** – The standard manufacturer's warranty conditions apply to the hardware. Our major hardware supplier, Hewlett-Packard, offers unrivalled worldwide warranty support – please visit their website at [www.hp.com](http://www.hp.com) for more details.

## MAJOR CUSTOMERS / END USERS

- ◆ ABB Group
- ◆ Autronica Fire & Security AS
- ◆ Convertteam Group
- ◆ Daewoo Shipbuilding & Marine Engineering Co. Ltd
- ◆ Doosan Engine Co. Ltd
- ◆ Emerson Process Management
- ◆ Hanjin Heavy Industries Co. Ltd
- ◆ Høglund Marine Automasjon AS
- ◆ Hyundai Heavy Industries Co. Ltd
- ◆ Kockum Sonics AB
- ◆ Kongsberg Maritime Group
- ◆ KROHNE Skarpenord
- ◆ L-3 Communications Valmarine AS
- ◆ Lyngsø Marine A/S
- ◆ MAN Diesel & Turbo
- ◆ Marine Alignment A/S
- ◆ Nordic Flow Control Pte Ltd
- ◆ NORR Systems Pte Ltd
- ◆ Onboard-Napa Ltd
- ◆ Rolls-Royce Marine
- ◆ Rosemount Tank Radar AB
- ◆ S-two GmbH & Co. KG
- ◆ SAM Electronics Group
- ◆ Samsung Heavy Industries Co. Ltd
- ◆ SODENA SAS
- ◆ STX Engine Co. Ltd
- ◆ STX Heavy Industries Co. Ltd
- ◆ Yokogawa Group



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