



AUSTRALASIAN INSTITUTE
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Shipshape

September 2026



- **Marine Surveyors Symposium in 2027**
- **Report on AIMS biennial conference**
- **Marine incident annual report**

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Thanks to all AIMS members and the Board for allowing us to be part of your 40th anniversary conference. We enjoyed catching up with existing clients and members.

Congratulations to all the nominees and award winners.

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Front Cover: *Global Mercy*, the world's largest purpose-built civilian hospital ship. Tymor Marine recently completed a lightweight survey and inclining test aboard the vessel. (See page 48.)

Back Cover: Marine Rescue Queensland's *Gladstone Rescue 1* at Gladstone, Queensland.



From the Bridge (Page 5.)



CEO: AMSA stakeholder forum. (Page 7.)



Marine Surveyor Symposium. (Page 11.)



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ADVERTISING AVAILABLE

Advertising is now available in *Shipshape*, the official journal of the Australasian Institute of Marine Surveyors (AIMS). For all the information about advertising in our quarterly magazine, contact AIMS CEO Eric Perez at gm@aimsurveyors.com.au or on +61 492 881 737.

Surveying the world's largest hospital ship

SCOTTISH maritime technology company Tymor Marine has completed a lightweight survey and inclining test aboard the *Global Mercy*, using Tymor's own digital survey technologies, building on a decade-long partnership with global humanitarian charity Mercy Ships.

With 7,000 square metres of medical facilities, six operating theatres and 200 hospital beds, the *Global Mercy* is the world's largest purpose-built civilian hospital ship. The work took place during the vessel's annual maintenance period at the Port of Las Palmas, Gran Canaria, ahead of its next healthcare service in Ghana.

The *Global Mercy* provides free surgery and healthcare services to people with limited access to safe medical care, while also supporting training and capacity-building in the countries it serves. Mercy Ships also operates the *Africa Mercy* hospital ship, currently on deployment in Madagascar.

An inclining test establishes a vessel's lightship weight and

centre of gravity. The resulting stability information, once approved by flag and class, defines the loading and operating limits the vessel works within for the years that follow. The survey was carried out on board by Tymor Managing Director Kevin Moran and Principal Naval Architect Niall MacLennan.

Tymor Marine Managing Director Kevin Moran said: "An inclining experiment takes weeks to plan and a long day to run, and what usually survives it is a report with a number in it.

"On *Global Mercy*, the readings behind that number sit in DeadW8 with the lightship figure, and every subsequent change is recorded against them. That is a continuous record through the five-year statutory period, and it means the next survey starts from what is already known instead of being rebuilt from scratch."

Two of Tymor's technologies were used on board. DRFTMRKS uses video capture and analysis to record the draft readings that determine the vessel's weight, or displacement. DeadW8 data

can be updated at any point in the five years between surveys, keeping the spaces where weight varies regularly up to date and providing the loading instrument with a more accurate overall figure of deadweight.

Shelley Pigott, Executive Director of Mercy Ships UK, said: "We're so thankful to Tymor Marine for their ongoing partnership with Mercy Ships and for blessing us with this recent lightweight survey and inclining test.

"With the stability information it produced approved by flag and class, we can confidently embark on our next healthcare service, with the survey process recorded and stored digitally for the years ahead."

Mercy Ships was founded in 1978 and has focused on partnering with African nations for more than three decades. Each year, volunteer professionals from around the world serve on board its hospital ships, including surgeons, nurses, seafarers, engineers and technical specialists.



Global Mercy, the world's largest purpose-built civilian hospital ship. Tymor Marine recently completed a lightweight survey and inclining test aboard the vessel in Las Palmas, Gran Canaria, ahead of its next field service in Ghana. (Photographs courtesy of Tymor Marine and Mercy Ships.)



Onboard launch to read draft marks: Tymor Marine MD Kevin Moran and Principal Naval Architect Niall MacLennan travel by launch to capture draft readings as part of the lightweight survey aboard Global Mercy.



Tymor Marine's Niall MacLennan (front row, seated, left) and Kevin Moran (standing, eighth from left) with crew members aboard the Global Mercy.



Global Mercy in Las Palmas.

Mr Moran added: “Most of Tymor’s work takes place aboard commercial ships and offshore assets, so stepping aboard the *Global Mercy* is a reminder that shipping can serve very different purposes. Knowing that our work will continue supporting the vessel as it delivers life-changing care is extremely rewarding.”

About Tymor Marine

Tymor Marine is a maritime technology and naval architecture consultancy with offices in Aberdeen, Glasgow and Lafayette, USA. Founded by ex-seafarer Kevin Moran and Professor Colin MacFarlane, the company combines practical marine experience with software development to support vessel stability, motions and survey work across ships, offshore assets and floating wind units.

Tymor Marine’s relationship with Mercy Ships spans more than a decade, during which the firm has provided pro bono naval architecture, structural analysis and marine consultancy services across both of the charity’s hospital vessels. The partnership was formalised with an MOU in 2024.

About DRFT MRKS

DRFT MRKS is Tymor Marine’s award-winning AI-powered draft survey app, designed to deliver fast, accurate and auditable draft readings from video captured using a smartphone, tablet or drone. For more information, or to download the app free of charge, visit www.drft-mrks.ai

About Mercy Ships

Mercy Ships is a Christian international health charity. It brings free, life-changing surgeries to women, men and children facing poverty in sub-Saharan Africa, and trains healthcare professionals and builds stronger medical services for everyone, creating change for decades to come. More information: mercyships.org.uk



Fire Protection Industry (ODS & SGG) Board

The Fire Protection Industry (ODS & SGG) Board (FPIB) administers the fire protection division of the ***Ozone Protection & Synthetic Greenhouse Gas Regulations 1995*** on behalf of the Australian Government. .

This includes working with industry to support the safe handling of scheduled extinguishing agents and promote compliance with Australia's licensing requirements. Through the FPIB marine engagement program, the Board are actively engaging with the marine sector to encourage best practice in installation, servicing and maintenance of fire protection systems containing Ozone Depleting Substances (ODS) or Synthetic Greenhouse Gases (SGGs). Correct licensing helps protect people, vessels and the environment while supporting safe, compliant operations across the marine industry. Contact the FPIB and get involved today.

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