

Calibration Services

Your technical engineering partner for the full vessel lifecycle.

Built on three principles : Prevention, Protection, Performance

What we do

Marine Mechanics delivers navigation and communication services, safety systems, calibration IHM preparation and maintenance, testing and monitoring, machinery spares, and mechanical care under one roof. Every service is compliance-driven and lifecycle-focused, built around the disciplines of prevention, protection, and performance.

Every gauge, tape and detector on board speaks in numbers – and your crew acts on what it says. Marine Mechanics installs, repairs, calibrates and certifies the measuring and monitoring equipment your vessel depends on, with a traceable surveyor-ready certificate for every instrument we touch. Under IMO Res. MSC.581(110), CO₂ is now a mandatory pre-entry parameter for enclosed spaces – and we manage that transition end to end: detector assessment, compliant upgrade recommendations, instruments, gases and certification, together.

Compliance Watch – MSC.581 (110)

Is Your Gas Detection IMO-Compliant?

IMO Res. MSC.581(110) has been in force since 3 December 2025, superseding A.1050(27). Enclosed space entry now requires CO₂ measurement, with entry permitted only below 0.5% (5,000 ppm). Every ship must carry at least two sets of portable gas detection equipment (SOLAS XI-1/7, para 7.3). Marine Mechanics manages the transition end to end: detector assessment, compliant upgrade recommendations, instruments, gases and certification, all handled together. One standard across your fleet.

Detect. Calibrate. Enter Safe. Care Beyond Repair.



OEM Partners



Honeywell



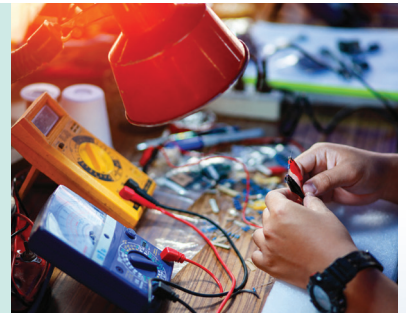
Gas Detection

- Personal, portable and fixed gas detectors — Calibration, certification and repair
- 4-gas to CO₂-capable 5-gas upgrades — Assessment and supply
- Fixed VECS and inert gas O₂ analysers — Calibration and certification
- Span gases, toxic gas tubes and kits — Supply



Measuring Instruments

- UTI and sounding tapes — Calibration and certification
- OWS 15 ppm bilge alarms and ODME — Installation, repair, calibration and certification
- Pressure and compound gauges — Calibration and certification
- Digital thermometers and RTD calibrators — Calibration and certification
- pH meters, N₂ generator instruments, load cells — Calibration and certification



Supply Scope

- New gas detectors — Single-gas, 4-gas and 5-gas
- Replacement sensors, filters, pumps and batteries
- Certified calibration gas blends — With regulators
- UTI tapes — Spares and complete units
- Pressure and temperature calibrators

Our scope extends beyond what is listed here. Reach out to us with your specific requirement.