www.mitg.co.kr

World Best MITG

MARINE INDEPENDENT TESTING GROUP MITG

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MARINE INDEPENDENT TESTING GROUP

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ilac-MRA

KOLAS KOREA LABORATORY ACCREDITATION SCHEME INSPECTION NO.

OVERVIEW

MARINE INDEPENDENT TESTING GROUP (MITG) is an internationally accredited testing institution that provides water quality and oil analysis services for vessels in compliance with regulations set by the International Maritime Organization (IMO) and the United States Coast Guard (USCG).

Our company holds significant certifications, including ISO/IEC 17025 & ISO 9001, and is recognized by nine major classification societies. We deliver high-quality services swiftly and reliably, supported by specialized equipment and professional personnel.

MITG is committed to providing the finest services and makes the following promises.

01. Competitive Pricing	02. Prompt Issuance of Reports
03. Global Network Services	04. Flexible Scheduling

Service introduction

IMO TEST

- Ballast water management system D2 Commissioning Test
- Scrubber wash water analysis by IMO Rule

USCG VGP (Vessel General Permit) TEST

▶ VGP COMPLIANCE TEST

- Ballast Water
- Gray Water
- Bilge Water
- Sewage Water
- Scrubber wash water analysis by VGP Rule

▶ VGP ANNUAL INSPECTION.

- Calibration.

Oil Test

- Lubricate Oil
- Fuel Oil

Other Analysis

- Potable / Fresh / Drinking Water by WHO
- Boiler Cooling Water
- Fire-Fighting Foam Testing

Service supply
IMO

BWMS D2 COMMISSIONING TEST

▶ **The ballast water treatment system installed on ships must be type-approved and pass commissioning tests according to the ballast water sampling guidelines.**

▶ **Organisms capable of surviving in sizes greater than 50μm or between 10μm and 50μm**

- Ballast Water Sampling Guidelines (G2) MEPC173(58)
- 2020 Guidelines for sampling and analyzing ballast water according to the BWM Convention and guidelines (G2).
- BWM.2/Circ/42/Rev/2
- 2020 Guidelines for commissioning ballast water management systems testing BWM.2/Circ.70/rev.1

Exhaust Gas Cleaning System (EGCS)

Starting in 2020, all ships worldwide must install exhaust gas cleaning systems to comply with the IMO regulations on the 'Global Sulfur Cap 2020' for marine fuel oil.

Service supply
VGP (Vessel General Permit) COMPLIANCE TEST

US Coast Guard (USCG) Vessel General Permit (VGP) Testing

All vessels bound for the United States must comply with ballast water management requirements under the Vessel General Permit (VGP) (Final 2013 VGP).

	Biological	Residual Biocide
Initial Monitoring	Twice a Year	Three times for the first ten discharges (within a period not exceeding 180 days)
Maintenance	Once a Year*	Twice a Year

Service supply

USCG VGP COMPLIANCE TEST

1. Ballast Water

Analysis of the concentration of indicator organisms (total heterotrophic bacteria, Escherichia coli, enterococci) and monitoring of residual biocides and biocide byproducts.

2. Gray Water

According to Part 2.2.15.2 of the 2013 VGP, vessels newly constructed after December 19, 2013, with a maximum crew capacity of 15 or more and providing overnight accommodations, must collect and analyze gray water samples and report the results as part of the annual report.

3. Bilge Water

Following Part 2.2.2 of the 2013 VGP, “newly constructed” vessels exceeding 400 gross tons after December 19, 2013, must monitor bilge water at least once a year when discharging into US waters.

4. Sewage Water

5. Exhaust Gas Cleaning System (EGCS)

Analysis of PAH (polycyclic aromatic hydrocarbons) concentration, turbidity, and pH.

※ Additional information can be provided upon customer request (e.g., temperature, salinity, and others).

6. WHO Portable / Fresh / Drinking water sampling & Analysis

BWMS SENSOR CALIBRATION

* FINAL VGP 2013 Section 2.2.3.5.1.1.3 Ballast Water Monitoring Equipment Calibration Standards

1. Frequency: Sensors and other equipment must be calibrated at least annually. It is recommended that all relevant sensors and control equipment be calibrated more frequently than the initial calibration warranty period provided by the sensor or equipment manufacturer and the ballast water treatment system manufacturer. The EPA also recommends more frequent calibration for many sensor types (e.g., pH probes, TRO sensors, turbidity sensors).

2. Calibration: Sensors and equipment can be calibrated on the vessel or by removing the equipment and sending it to the manufacturer or another supplier for calibration.

3. Restrictions: Ballast water discharge is prohibited when sensors are not installed (or when the ballast water treatment system's performance is significantly impaired).

REPAIR

SPARE PART

Service supply

Oil Test

Lubricate Oil Testing

We provide inspection services for lubricating oils to detect carbon deposits, oxidation byproducts, and metal particles that may cause mechanical damage.

Marine Fuel Testing

Under MARPOL Annex VI, we offer analysis services to detect n-heptane insoluble and carbon residues in fuels that can cause power and filter blockages or abnormal injections.

Service supply

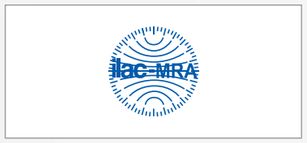
Boiler Cooling Water analysis

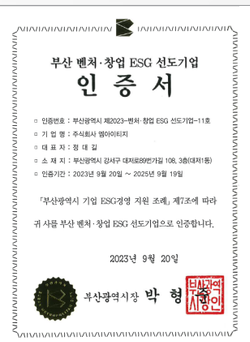
MITG, as an independent third-party testing institution aligned with the IMO's 'Reduction of GHG Emissions from Ships' strategy, provides analysis services for pH, nitrites, alkalinity, and hardness to prevent corrosion, severe failures, and explosions of critical boiler components.

Fire-Fighting Foam Testing

Most international safety organizations require annual testing of fire-resistant foam concentrate. Fire foam storage containers operating in harsh environments such as ships, terminals, marine platforms, and airports must also be regularly monitored for contamination and degradation.

Certification




부산 벤처·창업 ESG 선도기업
인 증 서
▫ 인증번호 : 부산광역시 제2023-벤처·창업 ESG 선도기업-11호
▫ 기 업 명 : 주식회사 엠아이티지
▫ 대 표 자 : 정 대 길
▫ 소 재 지 : 부산광역시 강서구 대저로89번가길 108, 3층(대저1동)
▫ 인증기간 : 2023년 9월 20일 ~ 2025년 9월 19일
「부산광역시 기업 ESG경영 지원 조례」 제7조에 따라
귀 사를 부산 벤처·창업 ESG 선도기업으로 인증합니다.
2023년 9월 20일
부산광역시장 박 형 준

Busan ESG Management Company


벤처기업확인서
CERTIFICATE OF VENTURE ENTERPRISE
• 기업명 주식회사 엠아이티지
• 사업자등록번호 111-87-01052
• 대표자 정대길
• 주소 부산광역시 강서구 대저로89번가길 108 (대저1동) 3층 (주) 엠아이티지
• 확인유형 적격성장유형
• 유효기간 2023년 09월 07일 ~ 2025년 09월 01일
위 기업은 「벤처기업육성에 관한 특별조치법」 제25조에 상당하여 귀기 벤처기업임을 확인합니다.
2023년 09월 07일
벤처기업확인기관장

Venture Company


선도기업 인증서
◈ 전략산업 : 해양산업
◈ 업 체 명 : 주식회사 엠아이티지
◈ 대 표 자 : 정대길
◈ 사업자등록번호 : 111-87-01052
◈ 인증번호 : 2024-해양산업-13
◈ 인증기한 : 2024. 1. 1. ~ 2026. 12. 31.
귀 업체를 부산 경제 활성화를 선도해 나갈
부산광역시 전략산업 선도기업으로 인증합니다.
2024년 1월 26일
부산광역시장 박 형 준

A Leading Company in Busan


부산대표 기술창업기업
인 증 서
▫ 인증번호 : 부산광역시 제2024-밀리언클럽-33호
▫ 기 업 명 : 주식회사 엠아이티지
▫ 대 표 자 : 정대길
▫ 소 재 지 : 부산광역시 강서구 대저로 89번가길 108, 3층(대저1동)
▫ 인증기간 : 2024. 4. 24. ~ 2026. 4. 23.
「부산광역시 기술창업 지원 조례」 제13조 및 같은 조례 시행규칙 제5조에 따라 귀 사를 부산대표 기술창업기업으로 인증합니다.
2024년 4월 24일
부산광역시장 박 형 준

Million Club Member


제2024-354호
「글로벌 강소기업 1,000+」 기업 지정서
업 체 명 : (주)엠아이티지
지정단체 : 유망기업
지정기간 : 2024. 4. 29 ~ 2025. 12. 31
귀사를 혁신성과 성장잠재력을 갖춘 「글로벌 강소기업 1,000+」 기업으로 지정합니다.
2024년 4월 29일
중소벤처기업부 장관 오영

Global High-Growth Company 1,000+

MARINE INDEPENDENT TESTING GROUP MITG

MITG Global Network

* We provide services in all ports worldwide.

World-Wide Service Network

Global Service Network

MARINE INDEPENDENT TESTING GROUP (MITG) maintains branch offices in major cities worldwide, enabling us to promptly provide high-quality marine environmental analysis services tailored to our customers' schedules at all ports globally.