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Eurofins Maritime Services

Introduction meeting

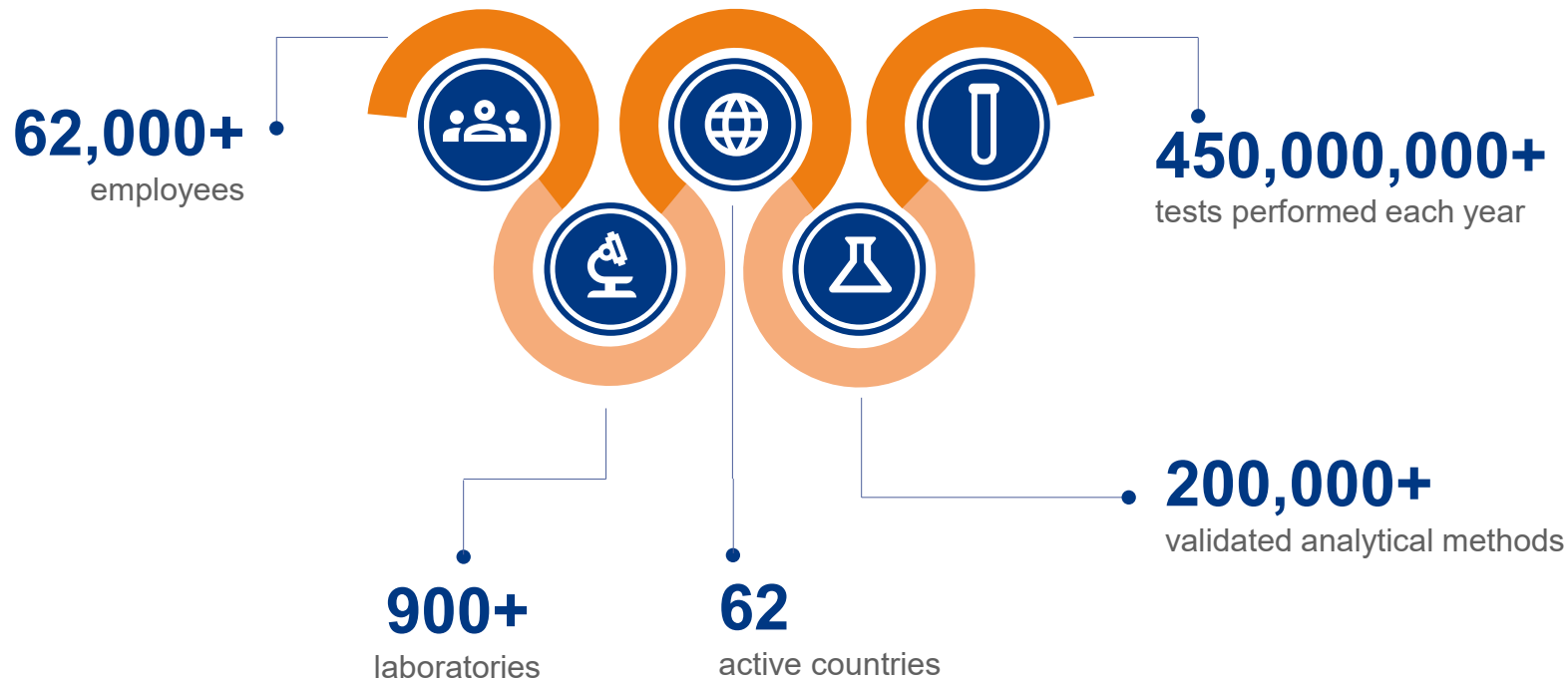
www.eurofins.com



Introduction Eurofins Scientific



Eurofins key figures



Where we are



Data correct as of December 2022

For more information about our locations across the world visit: www.eurofins.com/contact-us/worldwide-interactive-map/

Eurofins Maritime Services





We are connecting the dots between our global network of laboratories and the maritime industry

Founded in 1987, Eurofins has become a global leader in laboratory testing, with over **900 laboratories** in **62 countries**. Performing **450 million tests annually**, Eurofins delivers high-quality testing, monitoring, and consultancy services, contributing to a safer and healthier world.

Eurofins Maritime Services, based in **Rotterdam The Netherlands**, offers a one-stop solution for the maritime industry, providing tailored testing and analysis services. From oil and water testing to hazardous material inventories, we ensure quality, safety, and compliance.

Our vision

To be the global leader of testing for life

Our mission

To contribute to a safer and healthier world by providing our customers with innovative and high-quality laboratory, research and advisory services whilst creating opportunities for our employees and generating sustainable shareholder value

Inventory of Hazardous Materials



Inventory of Hazardous Materials (IHM)

Who it may concern



Hong Kong Convention and EU Ship Recycling Regulation

Presently, two regulations are governing the requirements for safe and environmentally sound ship recycling:

- *Hong Kong International Convention for the Safe and Environmentally Sound Recycling of Ships, 2009 SR/CONF/45 (HKC), which will enter into force in June 2025.*
- *The EU Regulation on Ship Recycling (EU) No. 1257/2013 (EU SRR), which is in force since 31 December 2020.*

Both HKC and EU aims to ensure that ships when being recycled, do not pose any unnecessary risk to human health, safety and environment. One of the main concerns is the fact that ships may contain hazardous materials such as asbestos and heavy metals and others, which may have negative impacts both on workers health safety and to environment.

HKC is applicable to ships, operating in the marine environment, which are equal to and above 500 GT.

Navy ships and domestic ships are excluded from the scope of HKC and EU SRR.

The IHM consists of three parts:

- Part I: Hazardous materials contained in the ship's structure and equipment;
- Part II: Operationally generated wastes;
- Part III: Stores;

Inventory of Hazardous Materials (IHM)

Mandatory surveys

Scope of the IHM		Shipbuilding & Operation	Preparation prior to Recycling	
		Part I Structure & Equipment	Part II Operationally generated Wastes	Part III Stores
HKC	EU SRR			
Appendix 1	Annex I	✓		
Mandatory for new / existing ships & new installations				
Appendix 2	Annex II	✓		
Mandatory for new ships / installations; as far as practicable for existing ships				
Table C Materials Potentially hazardous items			✓	✓
Table D Materials Regular consumable goods potentially containing hazardous materials				✓

The Inventory of Hazardous Materials (IHM)

- The **IHM Part I** is prepared either during the construction of the ship or while the vessel is in operation. For latter, hazmat experts like Eurofins should be contracted for the preparation of the IHM.
- **IHM Part II and III** shall be prepared by the shipowner once the decision is given to send the ship for recycling. The IHM Part II and III can be prepared by a hazmat expert like Eurofins.



Inventory of Hazardous Materials (IHM)

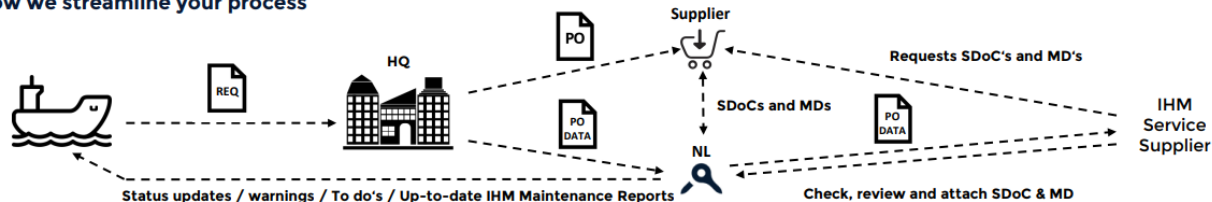
Maintain the IHM to stay compliant

IHM Maintenance

- Once the IHM Part I is certified, **it must be kept up to date and maintained** throughout the operational life of the vessel. IHM Maintenance can be done by the Eurofins which will guarantee you to stay **fully compliant** with regulations.

Table A (banned)	Asbestos(ASB)	Polychlorinated Biphenyls (PCB)	Ozon-depleting-Substances(ODS)
	Organotin Compounds (OTIN)	Perfluorooctane Sulfonic Acid (PFOS)	
Table B (allowed)	Cadmium and cadmium compounds (Cd),	Hexavalent chromium and hexavalent chromium compounds(Cr)	Lead and lead compounds (Pb)
	Mercury and mercury compounds(Hg)	Polybrominated Biphenyl (PBBs)	Polychlorinated diphenyl ethers (PBDEs)
	Polychlorinated naphthalenes (Cl≥3)	radioactive substances	Certain shortchain chlorinated paraffins
	Hexabromocyclododecane (HBCDD)		

How we streamline your process



Benefits

- Fully digital
- Cost saving solution
- Always fully compliant
- Zero effort for the shipping manager / owner
- 24/7/365 access for vessel management

Inventory of Hazardous Materials (IHM)

Offered services by Eurofins



IHM Approved Hazmat expert company by class society

Eurofins Maritime Services is an **approved Hazmat expert company** since 2018 by several IACS Class Societies. You will be guaranteed that mandatory IHM surveys are in line with the applicable IMO regulations. The hazardous material samples will be analysed in accordance with **ISO17025 accredited Eurofins laboratory**, and the report will be drafted in accordance with the MEPC 379(80), Hongkong Convention SR/CONF/45.

Eurofins Maritime Services does serve the **IHM maritime market** with:

- IHM Part I survey, existing vessels;
- IHM Part I survey, new build vessels;
- IHM Part II & III, scrapping;
- IHM Maintenance;
- IHM Renewal;
- Testing by inhouse accredited laboratory;

Through Eurofins international in-house network we are represented worldwide.

Our extensively trained, certified and experienced consultants are glad to inform you further to guide you in managing to certifying **your fleet compliant for upcoming IHM**.

Asbestos Services



Asbestos Management

Eurofins Maritime Services is highly experienced in the topic asbestos. Our experience dates back to 1992 in surveying asbestos on board ships. Eurofins is a **certified asbestos survey company** by The Netherlands which is one of most the strict laws and regulations (ItoRO no.24) worldwide in the field of asbestos. In addition to national requirements, we are specialized in the asbestos requirements and expectations set by IMO & SOLAS regulations. The asbestos material samples will be analysed in accordance with **ISO17025 accredited Eurofins laboratory**

In addition, various flags accept the specific method that Eurofins Maritime Services uses in the field of asbestos, which ensures that ship owners/managers are **compliant with strict class society and flag requirements**. Eurofins Maritime Services does serve the **Asbestos maritime market** with:

- Asbestos Surveys (ItoRO no.24 and/or SOLAS 3.5.2);
- Asbestos Management (plan);
- Supervision during Asbestos Removal;
- Asbestos Risk Assessment / Asbestos Safe Certification;
- Asbestos Removal according to the Batteryspray method;
- Asbestos Toolbox Presentations;
- Testing by inhouse accredited laboratory;

Eurofins will guide you during challenging asbestos projects.

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Maritime Testing



Maritime testing

Inhouse laboratory



Eurofins in-house Laboratory Network in the Maritime Business

Eurofins Maritime Services is fully dedicated to serving the maritime market in the field of analysis. Our unit operates an international network connecting all Eurofins accredited laboratories, enabling us to offer maritime testing locally anywhere. Among the tests we provide are:

Water Testing

- VGP: (Ballast/Scrubber/Bilge/Sewage)
- Potable Water analysis
- Cooling & Boiler Monitoring

F.F. Foam testing

- PFOS/PFAS analysis related to fire fighting foam (FFF)
- High/low expansion foam analysis

Ready to get started? Contact our sales department today to discuss your needs and ensure your operations are compliant and safe. **Your ship, our focus.**

Eurofins Maritime Services

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