



NGO SHIPBREAKING PLATFORM

# SHIP RECYCLING: ANCHORING CIRCULARITY

Cooperation for a better transition

25/04/2023, HAMBURG

# THE PROBLEM / WHY WE ARE HERE

80% of the global tonnage ends-up on beaches

High risk of accidents and damage to workers' health

Lack of proper medical and healthcare facilities

Breach of labour rights, including child labour

Emissions to sea and ground in intertidal zone

Emissions to air, also at steel re-rolling mills

No proper treatment of hazardous wastes

Lack of transparency





No hospital

Poor or no downstream waste management, **asbestos** resold...

Dire living conditions

**lead, cadmium, copper, organic tin compounds, zinc chromium, plastics...**

Lack of infrastructure, no containment

Dangerous working conditions, no PPE

LARGE TIDE



# LOST VALUE FOR EUROPE?

Recyclable steel content in end-of-life ships is around 70% of the LDT for cruise ships, 90% for containerships and 95% for tankers, according to industry experts.

Steel scrap from ships offers significant batches of **homogenous & valuable material high quality demolition scrap**

E3 (Stephane Tondo, ArcelorMittal, 2022)

Around one third of the steel that ends up on beaches, is owned by European companies

**Europe is missing out on precious raw materials!**

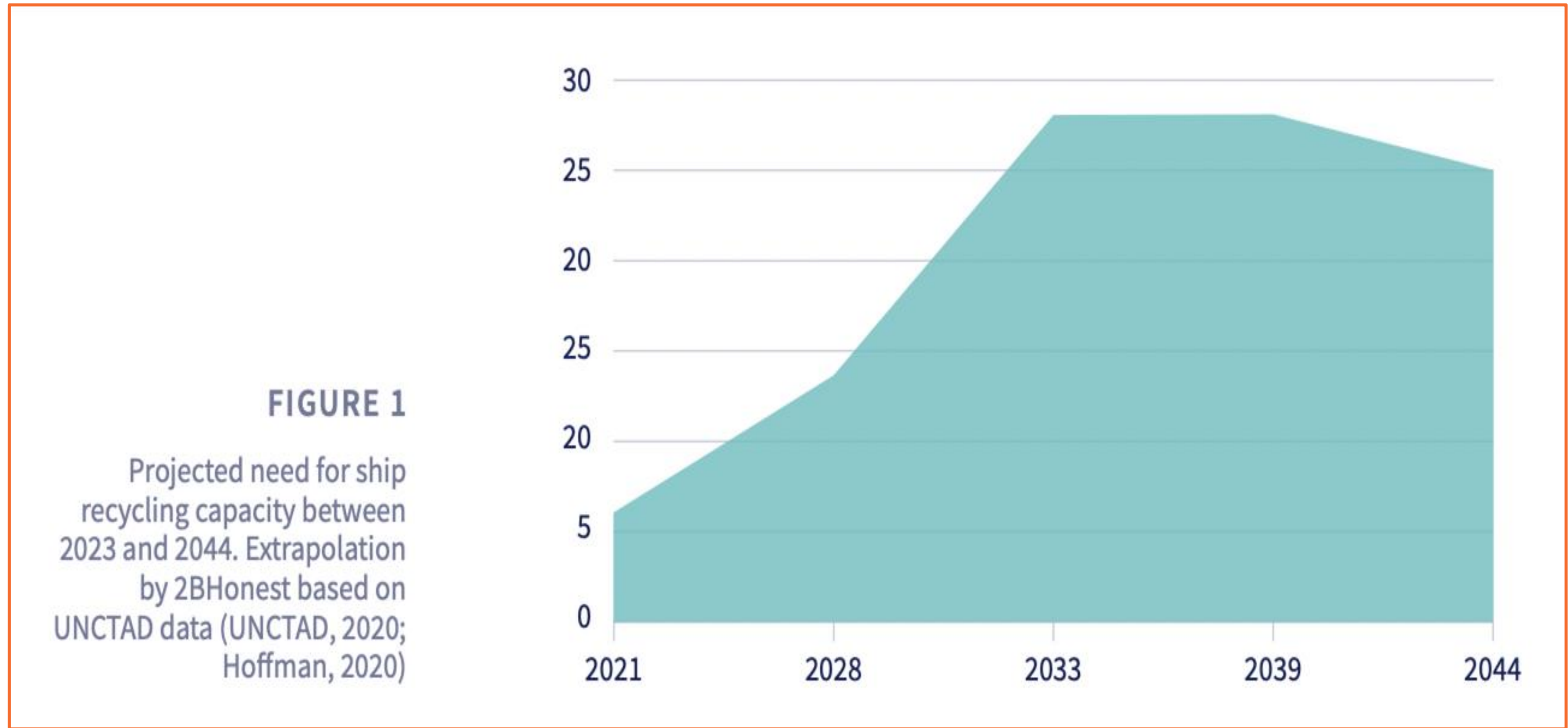
## Estimation of scrap steel exports from Europe in 2021

Sent for dismantling (except to Europe)		Exported from Europe	
Gross tonnage	LDT* (estimation)	LDT* (estimation)	Steel (estimation)
<b>15,909,481</b>	6.28m	2.09m tonnes	<b>1.78m tonnes</b>

Sources: Sandbag estimates, from Shipbreaking Platform figures. \*Light Displacement Tonnes



# PROJECTION (LDT)



## H-Line and Evergreen prepare to shift older tonnage onto Indian ship recyclers

Asian shipping companies could provide some relief in an otherwise moribund South Asian recycling market

10 April 2023 5:08 GMT **UPDATED** 10 April 2023 6:09 GMT

## CMA CGM, COSCO and Hapag-Lloyd line up further orders

 Sam Chambers · March 27, 2023

 5,216  1 minute re

## MSC sells former Maersk panamax for recycling

*World's largest boxship operator has sold three vessels for scrap this year*

28 Mar 2023 | **ANALYSIS**

 [Main news](#) [News by mode](#) [Explore](#) [Podcasts](#) [Premium](#)

[News](#) / CSSC wins record order for 16 box ships for CMA CGM



# IS EUROPE READY TO BOOST SHIP RECYCLING?

Ship demolition as “significant source of marine pollution” - **Joint Communication on the EU's International Ocean Governance agenda**

The European Parliament adopted a proposal for a **revision of WSR** that will impose controls on exports of scrap metal from the EU to non-OECD countries (Jan 2023)

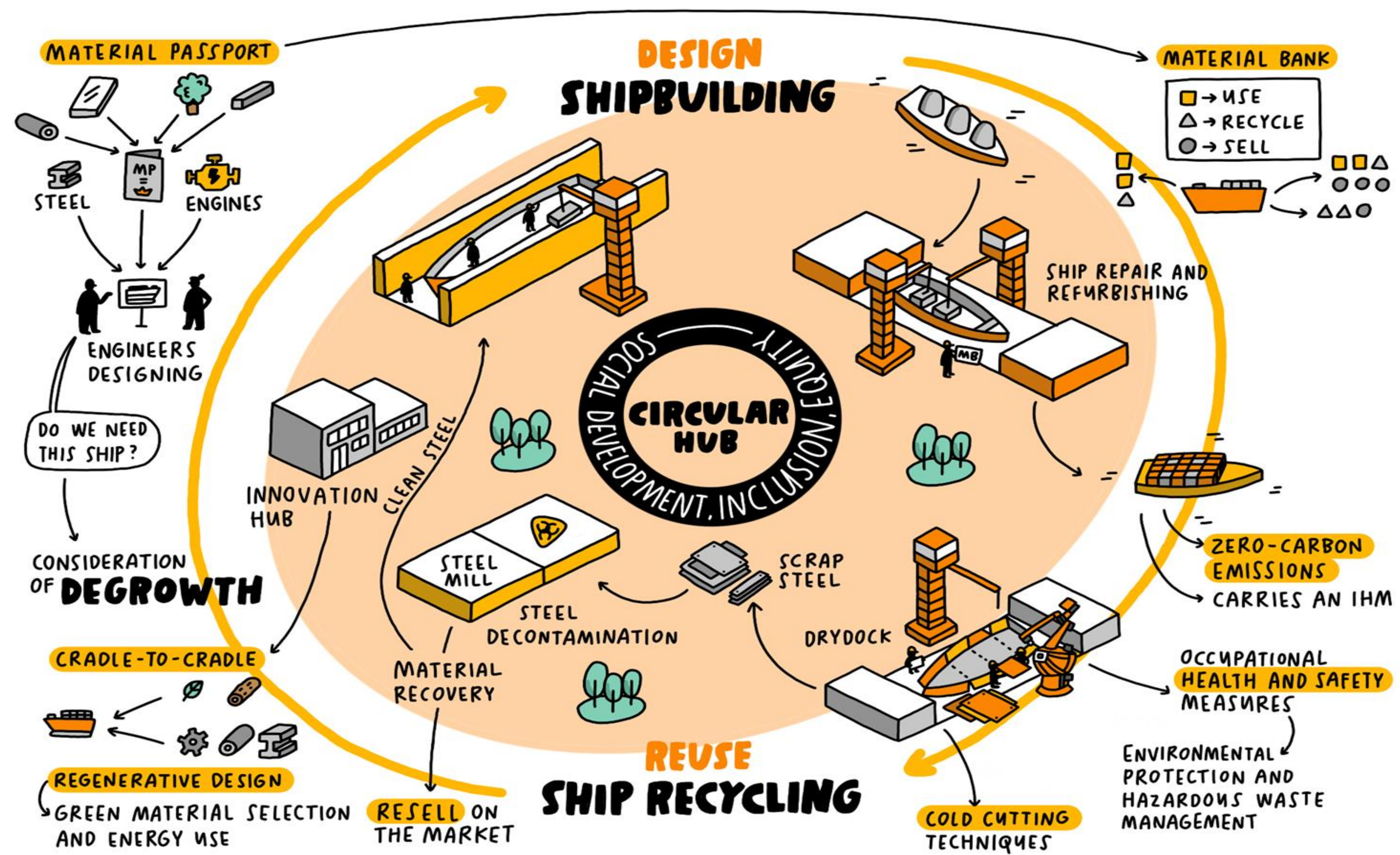
## **Circular Economy: Commission consults on the evaluation of the Ship Recycling Regulation**

EUROFER calls on the European Union to include scrap in the list of critical raw materials

**DUE DILIGENCE: COMPANIES MUST COMPLY WITH HUMAN RIGHTS AND ENVIRONMENT OBLIGATIONS, SAYS RENEW EUROPE**



# CIRCULAR ECONOMY HUB: A VISION FOR SHIP RECYCLING



# CIRCULAR EXAMPLES: CROSS-SECTORAL LEARNING



## Using Product Passports to improve the recovery and reuse of shipping steel: Maersk Line

**Cabins on cruise ships to become more sustainable**

Henning Zuehlsdorff *Pressestelle*  
Leuphana Universität Lüneburg





# CIRCULAR EXAMPLES: CROSS-SECTORAL LEARNING

Elegant Exit Company (EEC), a sustainable ship recycling startup, is on a mission to change the ship recycling industry by converting old ships into green steel.

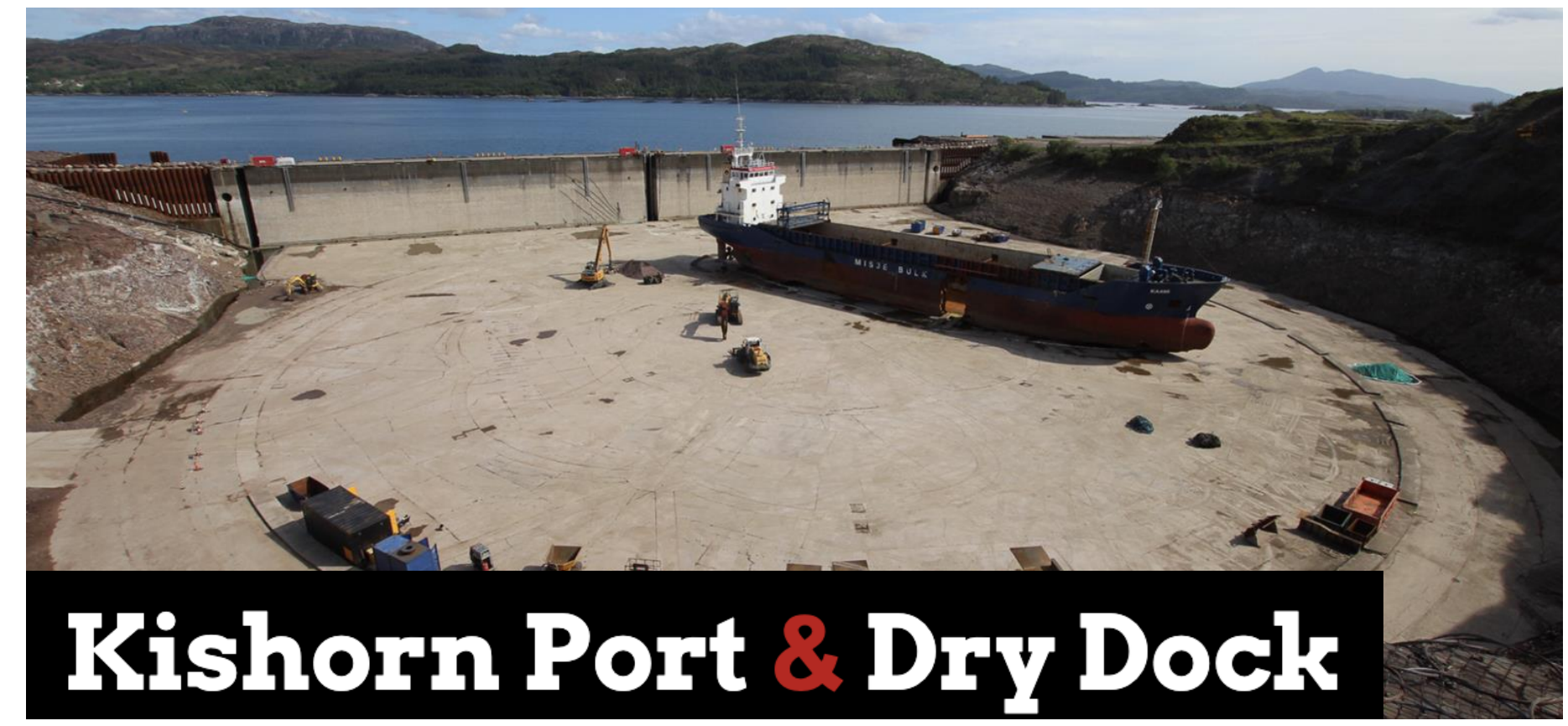
## PMC offers bespoke solution for treating contaminated steel scrap



Laboratory of Intelligent Machines and Robotic Scenarios in Ship Recycling

UHP water blasting safely removes tough, hazardous and contaminated materials from any surface.

## FerroECOBlast Europe



## Tata Steel explores blockchain for traceability



# BOOSTING CAPACITY BUILDING FOR SHIP RECYCLING

- Ensure policy coherence (Green Deal / Circular Economy Action Plan / Waste Shipment Regulation / Corporate Due Diligence Directive / Critical Raw Material Act / EU Agenda for Blue Economy)
- Explore and develop financing ( EU Taxonomy / R&D / Green Steel / Recycling Capacity Building)





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**THANK YOU FOR YOUR ATTENTION!**

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