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Background and current issue



Problem

- 1. Lack of cooperation
- 2. Insufficient financial resources



Proposal

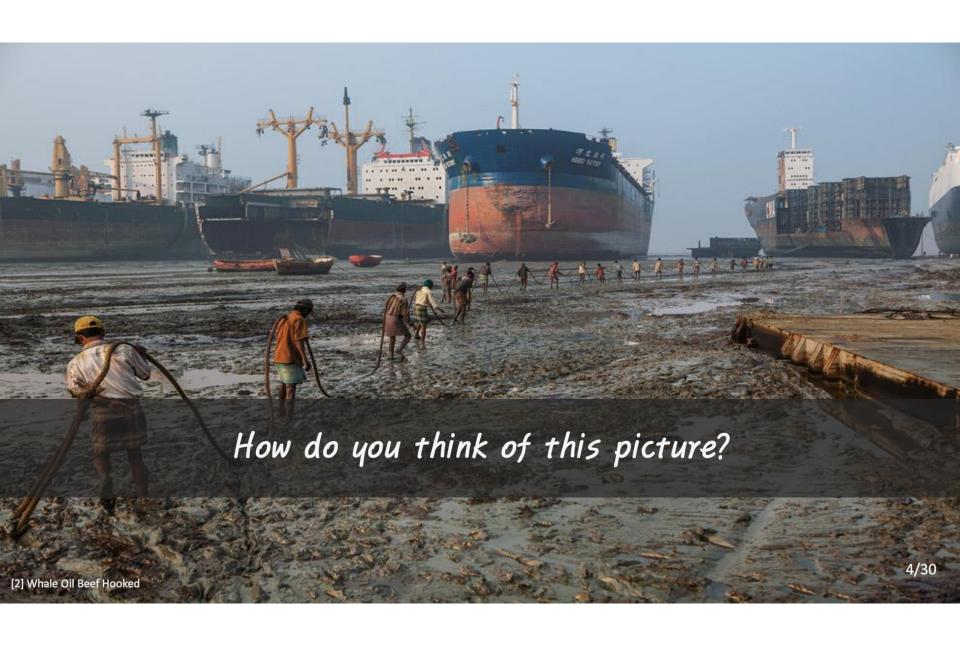
- 1. Amendment to Hong Kong Convention
 - 2. Applying for MPTF



Conclusion

Sustainable Ship Recycling industry

BACKGROUND AND CURRENT ISSUE



Introduction The overview of current Ship Recycling Industry



Ship Recycling Industry

- Drawing world's attention in recent days
- Mainly operation in developing countries
- Labor, Environmental problems

Introduction Safe and Environmentally Sound Recycling of Ship

The Hong Kong Convention



Limitation

Enacted in 2009



Planned to take effect in 2013



Not yet come into effect

PROBLEM 1: LACK OF ATTENTION TO WORKER' S SAFETY

Problem 1 Lack of attention to workers



IMO: Marine Environment Protection Committee

BASEL: Technical Guidelines for the ESM of the full and partial dismantling of ships

ILO: Marine Environment Protection Committee

BUT,

Missing out **ILO**'s contents about workers

One of the reasons The Hong Kong Convention has not taken effective

Problem 1 Ambiguous Article

REQUIRMENTS FOR SHIP RECYCLING FACILITITES				
CHAPTER 3 – REQUIREMENTS FOR SHIP RECYCLING FACILITIES	Regulation 15	Controls on Ship Recycling Facilities		
	Regulation 16	Authorization of Ship Recycling Facilities		
	Regulation 17	General requirements		
	Regulation 18	Ship Recycling Facility Plan		
	Regulation 19	Prevention of adverse effects to human health and the environment		
	Regulation 20	Safe and environmentally sound management of Hazardous Materials		
	Regulation 21	Emergency preparedness and response		
	Regulation 22	Worker safety and training		
	Regulation 23	Reporting on incidents, accidents, occupational diseases and chronic effects		

APPENDIX 1

[5]

CONTROLS OF HAZARDOUS MATERIALS

Regulation 20 – Specific

Safe and environmentally sound management of Hazardous Materials

Hazardous Material	Definitions	Control measures
Asbestos	Materials containing asbestos	For all ships, new installation of materials which contain asbestos shall be prohibited
Ozone-depleting substances	Ozone-depleting substances means controlled substances defined in paragraph 4 of article 1 of the Montreal Protocol on Substances that Deplete the Ozone Layer, 1987, listed in Annexes A, B, C or E to the said Protocol in force at the time of application or interpretation of this Annex. Ozone-depleting substances that may be found on board ship include, but are not limited to: Halon 1211 Bromochlorodifluoromethane Halon 1301 Bromotrifluoromethane	New installations which contain ozone-depleting substances shall be prohibited on all ships, except that new installations containing hydrochlorofluorocarbons(HCF Cs) are permitted until 1 January 2020.
	Halon 2402 1,2-Dibromo-1,1,2,2-tetrafluoroethane(also known as Halon 114B2) CFC-11 Trichlorofluoromethane CFC-12 Dichlorodifluoromethane CFC113 1,1,2-Trichloro-1,2,2-trifluoroethane CFC-114 1,2-Dichloro-1,1,2,2-tetrafluoroethane CFC-115 Chloropentafluoroethane	

[5] The Hong Kong Convention

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Problem 1 Convention's Regulation

[6]

Regulation 22 – Ambiguous

Worker safety and training

2 Ship Recycling Facilities authorized by a Party shall provide and ensure the use of personal protective equipment for operations requiring such use, including:

- .1 head protection;
- .2 face and eye protection;
- .3 hand and foot protection;
- .4 respiratory protective equipment;
- .5 hearing protection;
- .6 protectors against radioactive contamination;
- .7 protection from falls; and
- .8 appropriate clothing.

[6] The Hong Kong Convention

Problem 1 Convention's Regulation

Regulation 20 – Specific

Safe and environmentally sound management of Hazardous Materials APPENDIX 1

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[8]

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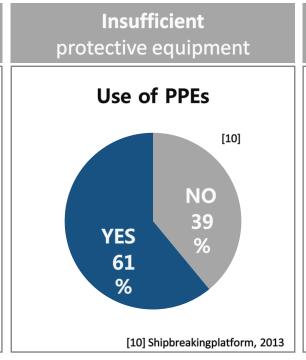
[8] The Hong Kong Convention

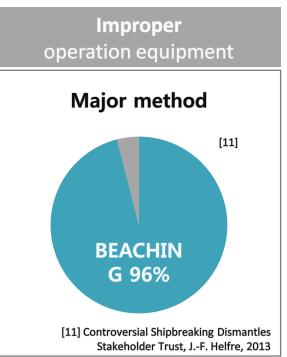
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PROBLEM 2: INSUFFICIENT FINANCIAL RESOURCES

Problem 2 Reality in South Asia

Unfair working condition Representative Index [9] Working Hours 84h/Week Average Wage \$14/Week [9] Industriall-Union, 2015





The most fundamental problem is attributed to financial resources

Proposal



Reinforce worker safety regulation



Practical and economic support to developing country

We want to stimulate safe working environment

PROPOSAL 1: AMENDMENT TO REGULATION 22

Proposal 1-1 Amendment to Regulation 22

- 2 Ship Recycling Facilities authorized by a Party shall provide and ensure the use of personal protective equipment for operations requiring such use, including;
 - .1 Head protection;
 - .2 face and eye protection;
 - .3 hand and foot protection;
 - .4 respiratory protective equipment;
 - .5 hearing protection;
 - .6 protectors against radioactive contamination;
 - .7 protection from falls; and
 - .8 appropriate clothing;
 - .9 all the protective equipment shall not be at worker's expense; and
 - .10 all equipment shall be prepared with regard to type of work and risk

Proposal 1-1 Amendment to Regulation 22

- 3 Ship Recycling Facilities authorized by a Party may co-operate in providing for training of workers. Taking into account the guide developed by the Organization, the training programmes set forth in paragraph 1.2 of this regulation shall:
 - .1 cover all workers including contractor personnel and employees in the Ship Recycling Facility;

training programme shall make all workers (including contractor personnel and employees in the Ship Recycling Facility) aware of related laws, regulation, emergency evacuation;

.2 be conducted by Competent persons;

be conducted by Specialist nominated by IMO;

- .6 be documented.
 - document can be the proof of training
 - document shall show the name, position of all participants, date, time, place, pictures, details of next training and signature of IMO Specialist

Proposal 1-1 Amendment to Regulation 22

- Workers shall be educated about the facilities and equipment the use before starting working
 - .1 workers shall be aware of enough knowledge, skill, tentative danger and safety rules about working equipment; and
 - .2 employers shall confirm if worker has sufficient knowledge or not

Proposal 1-2 Adding new appendix

APPENDIX 8 DETAILS OF WORKER PROTECTIVE EQUIPMENT

PROTECTION	EQUIPMENT	REMARKS	
HEAD HELMET WITH STRAP		STRONG ENOUGH TO RESIST PENETRATION AND DEFLECT BLOW TO THE HEAD	
FACE AND EYE	CLEAR, COLORED GOGGLE OR FACE SHIELD	IF THERE IS AN EXPOSURE FROM DUST, FLYING PARTICLES, OR HARMFUL HEAT, WORKER SHOULD WEAR IT.	
HAND AND FOOT	PROTECTIVE GLOVES AND FOOTWARE	SUITABLE FOR SHARP OBJECTS, HEAT-RESISTENT	
RESPIRATORY PROTECTIVE	APPROPRIATE FOR TYPE OF RISK	ESPECIALLY NEEDED WHEN THERE IS 1. A RISK OF OXYGEN DIFFICIENCY 2. EXPOSURE TO POISONOUS, DANGEROUS, OR IRRITATING FUMES	

Proposal 1-2 Adding new appendix

PROTECTION	EQUIPMENT	REMARKS
HEARING	EAR-PLUGS, EAR-MUFFS	ENOUGH TO PROTECT WORKER FROM HIGH LEVELS OF NOISE
FROM RADIOACTIVE CONTAMINATION	RESPIRATORS OVERALLS HEAD COVERINGS GLOVES, BOILER SUITS, IMPERABLE FOOTWEAR	WORKER SHOULD WEAR ALL THESE SETS WHEN HE WORKS IN AREAS WHERE UNSEALED RADIOACTIVE SOURCES
FROM FALLS	LIFE VEST LIFE PRESERVERS SAFETY HARNESSES WITH SECURED LIFELINES	EQUIPMENT MAY VARY BY WORKING CONDITION
CLOTHING	WATERPROOF	ALL CLOTHING SHOULD BE WATER RESISTENT AND SLOW BURNING

Specific guideline of Personal Protective Equipment

PROPOSAL 2: APPLYING FOR MPTF

Proposal 2 Applying for MPTF

JP Ship Recycling Industry

MPTF

IMO

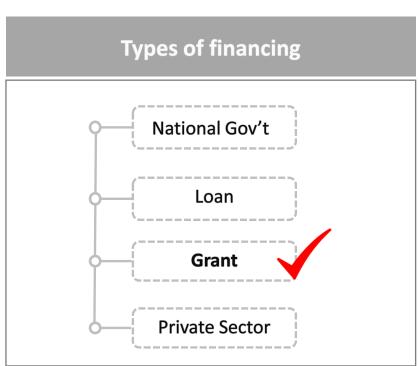
ILO

Governmental Institutes

- 1. Sustainable Ship Recycling Industry
- 2. Joint Programme: IMO, ILO, GOVERNMENT (4 countries)

Proposal 2 The concept of fund





Proposal 2 The concept of fund

Objectives

- 1. Ensure universal access to sustainable ship recycling industry
- 2. Promote the implementation of the Hong Kong Convention
- 3. Enable workers to relish sound working conditions

Assistance Strategies

- 1. Purchase proper protective equipment
- 2. Guarantee minimum wage for workers
- 3. Prepare structured system to achieve compliance with the Hong Kong Convention

CONCLUSION: ACHIEVING SUSTAINABLE SHIP RECYCLING INDUSTRY

Conclusion

Proposal 1 **REVISING HKC**

- Referencing ILO guideline
- Concerning more about worker's safety
- Reducing ambiguity

SHORT TERM EFFECT



Improving working environment

Facilitating of HKC implementation

Creating new jobs and income

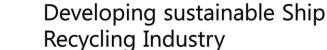
Conclusion

Proposal 2

APPLYING FOR MPTF

- Raising funds to support workers in South Asia
- Supporting purchase to buy Protective Equipment
- Asking the world for help

LONG TERM EFFECT



Constant conservation of marine environment



We expect sustainable Ship Recycling Industry

It is not only for what we do that we are held responsible, but also for what we do not do.

-Moliere

THANK YOU FOR YOUR KIND ATTENTION