



Father of the Nation
Founder of Maritime Bangladesh
Founder of Bangladesh Marine Academy



Welcome to the Water World!



Welcome to the Oceanic World!

Sea is the Future



**Seafarers: at the core
of shipping's future!**

Dr. SAJID Hussain CEng CMarEng FIMarEST

Commandant, Bangladesh Marine Academy

IMO Maritime Ambassador

Governor, Board of Governors, WMU Sweden

Trustee & Council Member, IMarEST London



IMO
EVENTS



IMO
2021

SEAFARERS:
AT THE CORE OF
SHIPPING'S FUTURE



- The theme mirrors a clear necessity to raise responsiveness of **seafarers' vital role** in world trade and highlight their prominence.
- The Day focuses on the **importance of maritime safety**, maritime **security**, and the marine **environment** and also links to the **UN SDGs**.
- The COVID-19 pandemic has demonstrated the **importance and dependence of the global supply chains** and the safe and efficient operation of maritime transport on the professionalism and dedication of seafarers.



Hon'ble Prime Minister Sheikh Hasina

- ❑ Just imagine there's no shipping!
- ❑ Echoing the **Hon'ble Prime Minister Sheikh Hasina** in her speech at the Graduation Parade of Bangladesh Marine Academy on 25 February 2021,



“জাহাজ চলাচল না থাকলে, আচল হয়ে যাবে বিশ্ব”

“If there's no shipping, world will come to a halt”

- ❑ The **earth is being rotated** by nearly 1.89 million Seafarers (Marine Officers – Marine Engineers – Marine Ratings) through their day-n-night effort in moving yearly nearly **11 billion tons of cargo** (commodities, fuel, food-stuffs, goods and products) by **74,000 merchant ships** from country to country ensuring **7.8 billion humans' well-being**.





IMO SecGen Dr. Kitack Lim

Dr. Lim's message for the day includes:

“During the **pandemic**, it has been seen the ability for shipping services and seafarers to deliver **vital goods, medicine and food**, has been central to eventually overcoming this pandemic.

A first step would be for all countries to designate seafarers as **key-workers**, as outlined in the UNGA Res adopted in December. To date, just over 50 IMO Member States (**including our Bangladesh**) have done so.

I strongly urge Governments to designate seafarers as **key-workers**.”





UN Secretary-General António Guterres

António Guterres said,

“I renew **my appeal to Governments** to address their plight by formally designating seafarers and other marine personnel as “**key-workers**”, ensuring safe crew changes, implementing established protocols, and allowing stranded seafarers to be repatriated and others to join ships.”



Bangladesh Merchant Marine



- ❑ Living lonely and working on floating and moving entity for months away from one's family and friends is **not an easy task**. It needs high level of skills and competence in terms of **academic, professional and mental strength**.
- ❑ Hence, Bangladesh Merchant Marine follows a strategy for developing world-class **Cadets and Mariners** for national and international ocean-going merchant ships; enriched with **Bachelor/Master of Maritime Science** degree and professional **Marine Certificate of Competence**.
- ❑ The Bangladeshi Mariners are keeping remarkable roles in **seafaring and in shore-based marine/shipping management** internationally.

Seafaring for Blue Economy



- ❑ **Highly skilled, trained and educated Seafarers** are the driving force for developing an economy.
- ❑ **Seafarers and their counterparts ashore** (marine scientists, offshore engineers, fishery technologists, biotechnologists etc.) are able to ensure a thrust in **blue economic growth**.
- ❑ Global fleet would be increased from current 74,000 to over 95,000 by 2030. **Additional 600,000 officers** will be required.
- ❑ In this 21st century, with the rise of various newer sci-tech based professional pathway options, recruitment and retention of seafarers is a challenge ahead for world – **an opportunity for Bangladesh indeed!**



Shipping is an amazing industry! **Seafaring is a choice of smart generation!**



- Educated and skilled seafarers** drive the ocean-going ships in international waters.
- Education & work-place both** are exceptional in this profession; study, service and earning – all run in parallel.
- As the work-place is a moving entity and is at far distant sea, **living there for 24 hours** is spontaneous.
- An **ocean-going ship** having navigational equipment, propulsion machinery, services (electricity, drinking water generation, fire-fighting, emergency, health, food, living, sanitation etc.) is an **independent floating city!**



Evaluation of Seafarers of Bangladesh (Marine Officers & Marine Engineers)

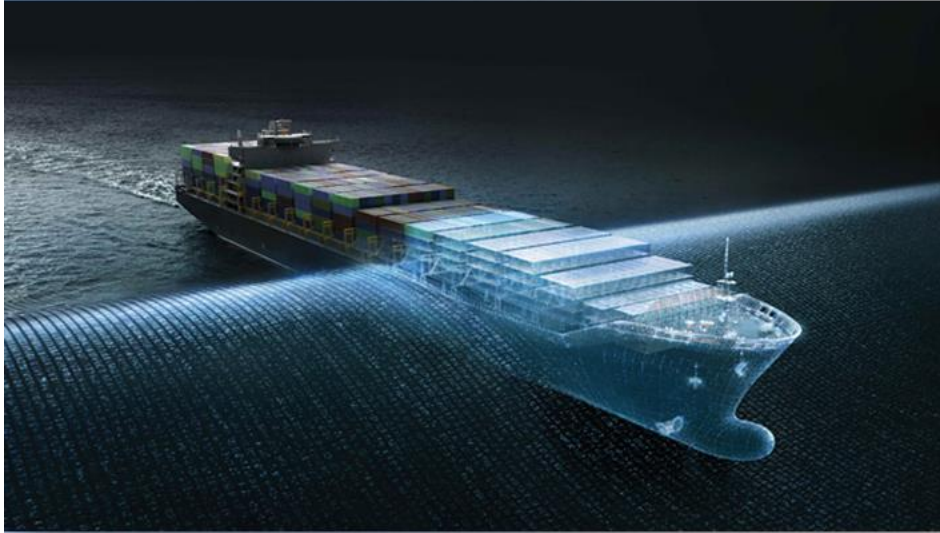


Professional Path	: Cadet to Captain/Chief Engineer of Ocean-going ships
Current yearly recruit	: 700 Cadets from 6 public & 5 private Academies
Time required	: 10 years (average)
Qualification	: Professional > Certificate of Competence (Class III, Class II and finally Class I) Academic > Bachelor/Master of Maritime Science
Expected Service	: 25 years
Cost of Education (input)	: 20 Lakhs Taka
Expected Earnings (output)	: 15 Crore Taka in Foreign Currency
Total yearly earning	: 3,500 Crore Taka (US\$ 400m) by all Bangladeshi Seafarers

Where in world, you may find such an amazing business!

Seafarers are 'individually' highest foreign currency earners in Bangladesh!

Challenging Seafaring



- Seafaring is always a **dangerous and hard** yet attractive and desired profession.
- It contains **professional pressure and risk**. At the end of a lengthy and stressful day, there is no home or family; no pleasant evening gossiping with friends at home or at restaurants; no social ups & downs –
- No **variations of surroundings**; no relaxation or way-out to de-stress – just the persistent murmur of the diesels & waves and the immeasurable movement of the ship that is a floating lonely home-cum-workplace of the seafarers –
- 24 hours a day, 7 days a week, 30 days a month and 365 days a year! Not the end... Seafarers always remain burdened with the **possibility of natural calamities**.

Joyful Seafaring



- ❑ On the other, seafaring is always a **charming and smart life-style** at the blue-world! Modern shipping is highly regulated for ensuring '**safe, secure and environment-friendly**' service by the IMO.
- ❑ Everyday the Seafarers are in **newer time-zone**! Every port they are meeting with newer nationals! **Earning while learning**! Salty salary which is really huge and compensating! Communicating with friends & families through phone/fax/emails/video! Family-expedition through family-carrying facilities on-board!
- ❑ **Leadership positions** while being young! Reaching the top (Master Mariners [Captain] or Marine Engineers [Chief Engineer]) within 10 years! Mobility ashore with changeable hands-on skill & experience (at around 40 years of age)!

Seafarers Workforce Report 2021

BIMCO  International
Chamber of Shipping
Shipping the Future of Shipping

Seafarer Workforce Report 2021

1.89 Million seafarers currently
serving the world merchant fleet,
operating over **74,000 vessels**



Seafarer Supply/Demand 2021

Estimated Supply and Demand Balance 2021

The current supply–demand situation for the global seafarer workforce is estimated at a shortage of 26,240 officers and a surplus of 37,640 ratings.

Supply and demand balance estimation 2005–2021²

	Seafarers	2005	2010	2015	2021
Supply	Officers – supply	466,000	624,000	774,000	857,540
	Ratings – supply	721,000	747,000	873,500	1,035,180
	Total – supply	1,187,000	1,371,000	1,647,500	1,892,720
Demand	Officers – demand	476,000	637,000	790,500	883,780
	Ratings – demand	586,000	747,000	754,500	997,540
	Total – demand	1,062,000	1,384,000	1,545,000	1,881,320
Balance	Officers (shortage)	-10,000	-13,000	-16,500	-26,240
	Ratings (surplus)	135,000	0	119,000	37,640

Source: Seafarer Workforce Report Country Questionnaire 2021, Manpower Reports 2015 and 2010

- ² The estimates for 2021 are not directly comparable to previous reports due to changes in approaches to data collection and definitions used in the scope of the report. Sources: Seafarer Workforce Report Country Questionnaire (2021), Manpower Reports 2015 and 2010.



Women Seafarers

45.8% increase in the number of women seafarers since 2015



This still represents just **1.28%** of our **global workforce**

Seafarer producing countries

ASIA

- ❑ Majority of seafarers come from **Philippines**; however, this workforce is mainly the Ratings i.e. Marine Crews.
- ❑ **India** has been well-set in the maritime manpower map with generating marine officers/engineers for many years.
- ❑ **China** has all the traits to be a major international supplying point; but that has not been happened because of very internal focus.
- ❑ **Vietnam** seemed to be a forthcoming supply point, but has failed to meet the expectations in numbers, mainly due do to lack of educational background and training facilities.
- ❑ **Indonesia** on the other hand has a future prospect to enter the supply arena; however, we have to wait for that future.
- ❑ **Myanmar**, due to its political instability, has not been able to capitalize its hard-working workforce.

AUTONOMOUS SHIPS
OF THE FUTURE



Seafarer producing countries



Western world

- East Europe** still continues with their supply; but may not be able to do so for long. As countries develop – and as there comes better opportunities ashore – seafaring’s attractiveness fades away. This is a cycle of development seen with all so called developed nations.
- West Europe** today does not supply enough seafarers compared to East Europe due to its wage parity.

Seafarer producing countries



South America

- A country needs to have a good merchant fleet of its own for becoming a strong workforce supplying point. Except **Brazil**, most **South American countries have small fleets**.
- In fact, these countries have just the sufficient workforce to meet their own demands only. Although **Brazil** trains officers for its own merchant fleets; however, as their oil and offshore sector is growing, the **future supply will also be dedicated to meet its own needs**.

Seafarer producing countries



Africa and Middle East

- ❑ Excepting **Egypt and Nigeria**, all the countries have small fleets. **Nigerian** maritime workforce is mainly working in their oil & gas sector, and few **Egyptian officers** are seen to be working in the international fleet.
- ❑ This is also the case for some **Angolan and South African** officers. There lies a political and financial risk for international ship management companies to enter into these countries.
- ❑ The same goes for the **Middle Eastern maritime countries**. Military conflicts and political risks have lessened the importance of these countries in the maritime field.



Conclusion - 1



- ❑ It is clear that **prospect and opportunities are there for our Bangladesh** too. We only need to have the appropriate attitude, professionalism and patience to conquer a fair share of the oceanic world.
- ❑ Although we have centuries-old heritage of seafaring, we have merely a **tiny presence today in the World Maritime Manpower Map – 16 thousand among 1.89 millions**. We may be very small in number but we are not small in our excellence.



Sea is the Future – 5

35 existing & NEW professions in NEW Water-Bangladesh

1. Marine Officer
2. Marine Engineer
3. Electro-Technical Officer
4. Naval Architect
5. Shipbuilding Engineer
6. Shipping Broker
7. Shipping Freight Broker
8. Cruise Ship Designer
9. Shipwright
10. Marine Environmental Management
11. Underwater Photography
12. Career in Underwater Exploration

13. Aquaculture
14. Ship Banker
15. Gas Engineer
16. Maritime Reporter
17. Marine Underwriter
18. Radio Officer
19. Shipper
20. Shipping Agent
21. Ship Chandler
22. Marine Archaeology
23. Subsea Engineer
24. Marine Doctors

25. Marine Biologist
26. Maritime Consultant
27. Maritime Security Jobs
28. Hydro-graphic Surveyor
29. Ocean Engineer
30. Maritime Lawyer
31. Ship's Saloon personnel
32. Marine Researcher
33. Aquatic Veterinarian
34. Scuba Diving & Underwater Filming
35. Marine Scientist



Sea is the Future – 1

Floating Airport

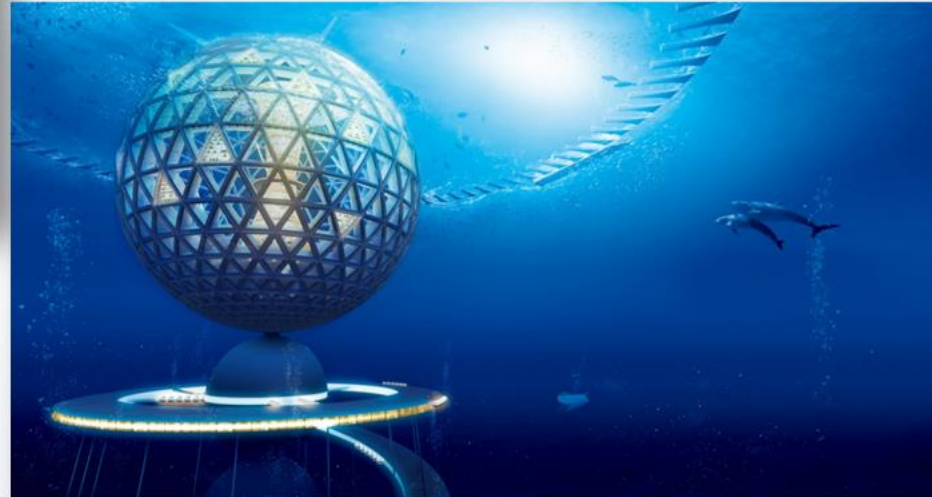


Sea is the Future – 2

Floating Wind-Mills

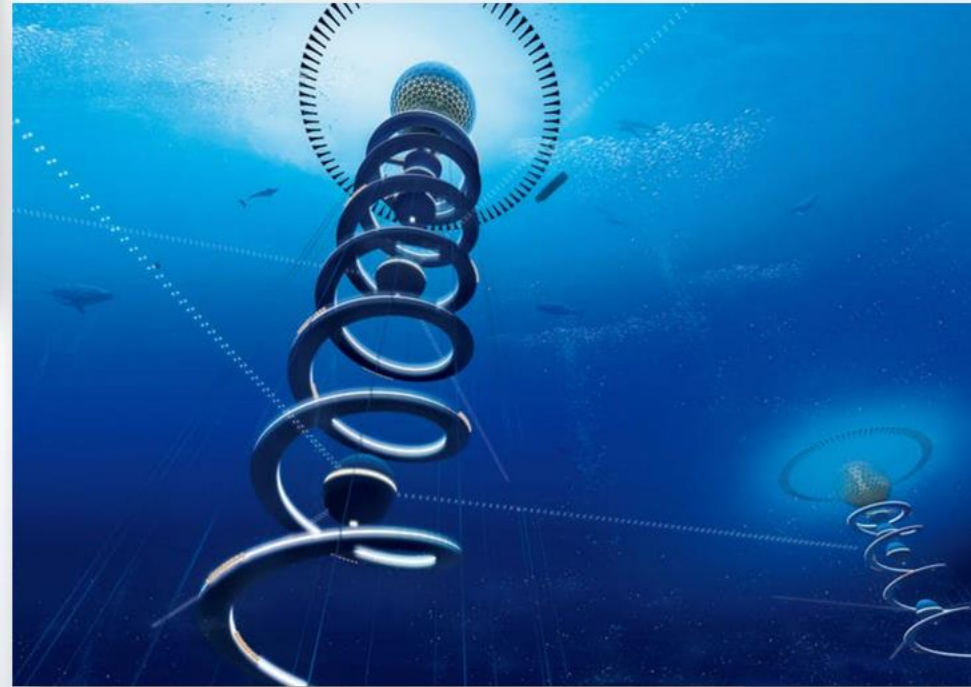


Sea is the Future – 3 **Underwater Fun City**



Sea is the Future - 4

Underwater Recreation



Sea is the Future - 5 Underwater Photography



Anjuman Ara Nishi

3rd Deck Officer, MT Banglar Agrajatra

She is busy in Seafaring in the Seven Seas!

>> ***'GIRLS can Do!'***

>> a **success story** of our effort since 2012

>> a promising portray of a **Maritime Woman** and

>> an **ex-Cadet** (49N: 2014) of our Academy



Anjuman Ara Nishi 49N 2014.mp4



3rd Deck Officer Anjuman Ara Nishi
আমাদের দেশে কবে সেই 'মেয়ে' হবে!



Conclusion - 2



❑ In every corner of the globe, a **Bangladeshi seafarer** is seen to be working at some apex position – in **Singapore, Australia, UK, Canada, USA, Middle East** etc. We do not lack in merit, skill and capacities.



❑ In this 21st century, we need to have spontaneous **combination of professional skill and academic excellence**. Besides, with blessings of the efficient leadership and teamwork, the desired day is not far away when **maritime light of Bangladesh** will also brighten up the policy level of the shipping world.

**May Allah bless our Maritime Bangladesh
Joy Bangla – Joy Bangabandhu**



Thanks indeed for your patience

Bon Voyage!





বিশ্ব নৌ দিবস



৩০ সেপ্টেম্বর ২০২১



নৌপরিবহন অধিদপ্তর
www.dos.gov.bd



নৌপরিবহন মন্ত্রণালয়
www.mos.gov.bd