Dear Friends, Members, Educators, and Supporters

We are undergoing quite the change at the MIF. Today, change seems to be a common theme within every segment of our industry! Now that we have finished an entire repopulation of the knowledge center we are currently looking towards our membership and partnership opportunities as a key focus. We depend on corporate members to keep our nonprofit going. Therefore, we hope that our current members will encourage others to support our efforts so that we can continue to provide a free database of information for those who are getting to know our great industry. As always, remember that we are open to partner for joint exposure opportunities. We are happy to brainstorm how we may be able to highlight your organization or business so that it benefits you, our industry and our organization for a similar exchange!

Administration

Molly Pribor, who was introduced to readers in Edition 7, has done amazing work for us and has ensured that our Twitter is full of interesting information. Molly is departing from her time at MIF so we would like to give a special thank you to Molly and Marine Money! We wish you the best Molly!
Christine Spencer, who was introduced in Edition 9, has now completed her graduate degree at SUNY Maritime College and her work with the MIF. Thank you for all of your efforts and best of luck to you!

Contact Us

Please note that our General Manager Peter Swift’s email has changed to the one listed below!

Peter Swift
info@maritimeindustryfoundation.com

Visit Us

https://www.maritimeindustryfoundation.com

An Industry for All!

Despina Panayiotou Theodosiou, CEO of Tototheo Maritime and President of WISTA

Throughout our newsletters we have attempted to highlight the mass amount of change that is underway in the maritime industry. Decarbonization, Technology, Gender Equality and Diversity to name a few. An interview was released last month written by The Maritime Executive featuring Despina Panayiotou Theodosiou (above).

One of the most memorable quotes from her interview states:

“Our message is that there’s a place in maritime for everyone [...] young, old, man, woman, regardless of belief, skin color, or any other personal characteristic, culture or lifestyle choice. To secure the future of the industry – commercially, socially and environmentally – we have to be
open to new people, new influences and new ideas. We have to be open to change [...] and once we set a new course, we commit to it!" [https://maritime-executive.com/article/diversity-key-tounlocking-maritime-sustainability]

We highlight this quote because although the industry is in the midst of rapid innovation and change, we must never forget the importance of spreading the word about the many opportunities that our industry can provide, as well as never forgetting what the future generations and their core values can provide for our industry in exchange. As Ms. Theodosiou stated above, now is the time for collaboration and openness.

Here at the MIF we encourage this practice for it is what we are founded upon. Sharing information in an attempt to destigmatize the industry and invoke interest into the many opportunities for the future of our industry, planet and generations to come.

One area of focus, that both we and the industry at large have recognized great opportunity in, is new employment opportunities within the industry in regards to digitization and technology. In the same article, Theodosiou comments:

“Digitalization has transformed the industry and opened up a wealth of new opportunity [...] suddenly we have new positions, new functions and new openings for people that may not have traditional maritime education or experience. If shipping wants to prosper it has to cast its net wide to get the best people, regardless of gender, age or ethnicity. That will accelerate positive labour force developments.” [https://maritime-executive.com/article/diversity-key-tounlocking-maritime-sustainability]

Below we highlight two examples of new developments within the realm of technology that just might peak your interest!

**Aren’t Virtual Reality (VR) and Augmented Reality (AR) just a Video Game Phenomenon??**

Wrong.

The maritime industry utilizes elements of both to accomplish many goals, such as improving the safety of our marine transportation system. These types of technologies provide
enhanced training for mariners in order to increase decision making skills, situational awareness, and overall operational performance. Both VR and AR systems act to also decrease the risk of dangerous and costly mistakes.

“The learning habits of Millennials are evolving. They love technology and have grown up playing with technology. The immersive experience of learning in virtual reality is thus exciting for young seafarers and provides a safe and risk-free environment in which they can learn experientially and master basic skills before transitioning to real-life situations” – Pradeep Chawla (Anglo-Eastern group managing director of QHSE and Training.)


The Google Glass system, called GlassNav© is a wearable, immersive augmented reality (WIAR) developed by Dr. Martha Grabowski and tested at MITAGS-PMI, a nonprofit maritime vocational training center. “The advent of WIAR technology in marine transportation provides an opportunity for operators to ‘look out the window’ in an operational scenario while aided by information that is displayed and processed simultaneously […] the goal is to improve situation awareness and make better decisions.”– The Maritime Executive

https://www.maritime-executive.com/corporate/mitags-is-venue-for-augmented-reality-study

Like never before, we are seeing our industry and technology merge and evolve at an incredible pace. Rapid innovation is impacting training and safety within our Maritime Transportation System. Check out the next section highlighting how innovation plans to change the business we do to help better the planet we love!
Igniting Change

We know that our planet is undergoing an immense amount of stress due to climate change and pollution. Thankfully, in the midst of this daunting reality, work is being done to help! Technological advances are currently being made, involving natural resources such as algae, crab and prawn wastes, that could spark a multi-billion-dollar industry. These technological advances are being used to produce biodegradable biopolymers to make plastic. The project is being led by the International Iberian Nanotechnology Laboratory located in Braga. The laboratory is an interdisciplinary research station centered around nanotechnology and how it can benefit society. Project Coordinator, Ana Vila predicts that the global bioplastics and biopolymers market is projected to surpass $5 billion by 2021.

Applications go beyond traditional plastic uses. For example, Chitosan (a naturally occurring polymer) is biodegradable, biocompatible, non-toxic, antimicrobial and has a high mechanical strength and good film-forming properties making it perfect for a wide variety of uses. These include but are not limited to: textiles, cosmetic ingredients, film, wound-healing materials, bio medical materials and waste-water treatment. The coolest thing? We are moving towards a world with sustainable, green supply chains and this technology is already in action in the Netherlands, France and Italy!  

Research and Development leads us to innovation. On December 18th 2019, a proposal was submitted to accelerate the development of commercially viable zero-carbon emission vessels by the early 2030's. The proposal highlighted the development of a new nongovernmental R&D organization to pave the way to decarbonization. The proposal also outlines a 10-year plan to raise the $5 billion needed to conduct the missions of the organization.

The international shipowner associations responsible for this proposal, which collectively represent all sectors and trades and over 90% of the world merchant fleet, include:

- BIMCO
- CRUISE LINES INTERNATIONAL ASSOCIATION
- INTERCARGO
- INTERFERRY
- INTERNATIONAL CHAMBER OF SHIPPING
- INTERTANKO
- INTERNATIONAL PARCEL TANKERS ASSOCIATION
- WORLD SHIPPING COUNCIL

This proposal is another example of a push for innovation to change the business we do to better our planet, industries, and supply chains.
Impressive News

Carnival Corporation has now joined the Getting to Zero Coalition! Carnival Corp. is the first cruise operator to join. The coalition is a partnership with the Global Maritime Forum, The Friends of Ocean Action, World Economic Forum and 80 plus industry partners from various sectors. The vision is to see commercially viable, zero-emission deep sea vessels entering the global fleet as early as 2030 and to enhance the production and distribution infrastructure for zero-carbon energy sources!! To learn more visit: https://www.globalmaritimeforum.org/getting-to-zero-coalition

Game time!!!

We could all use a good time!

Check our MIF- Fun Pages and see the list of maritime board games highlighted, among other things! Visit: https://www.maritimeinfo.org/en/Fun-Zone/maritime-themed-board-games

Update

As of today, we have 6,861 followers and 346 tweets! Don’t forget to follow us if you haven’t already!!
Web Statistics

Great news! There has been an increase in sessions when compared to our June statistics (featured in edition 10) by 1,562. The MIF is also experiencing a consistently higher usership!

Need a Good Read??

This rather adventurous read has been selected by Christine Spencer. This book tells the story of women from all walks of life, both real and legendary, from Norse princess Alfhild to Cheng I Sao, who commanded a fleet of four hundred ships off China’s coast in the early nineteenth century! The Chicago Review Press stated “It’s the most comprehensive overview of women pirates in one volume and chock-full of swashbuckling adventures that pull these unique women from the shadows into the spotlight that they deserve.” [https://www.chicagoreviewpress.com/pirate-women-products-9781613736012.php](https://www.chicagoreviewpress.com/pirate-women-products-9781613736012.php)
In this edition we would like highlight The Global Maritime Forum. The Global Maritime Forum is a wonderful global non profit that focuses on shaping the future of our industry while increasing “sustainable long-term economic development and human wellbeing.” The coalition supports initiatives such as Getting to Zero Coalition and The Poseidon Principles. The Global Maritime Forum held their annual summit in Singapore in October of 2019 and focused on critical issues within the maritime industry. Topics included: Decarbonizing Shipping, Together in Shipping (a programme with a focus on a zero-incident industry), Attracting the Right Talent and Improving Efficiency through Collaboration. To learn more about The Global Maritime Forum, Getting to Zero Coalition, The Poseidon Principles and the Singapore summit visit: https://www.globalmaritimeforum.org/

Cooperation with The Institute of Chartered Shipbrokers (ICS)

This cooperation is gaining strength with ICS now offering to assist us with billing and circulation of our Newsletter.

This is wonderful and will not only help us to contain costs but also increase visibility.

Many thanks to ICS.
Cutty Sark Celebrates 150 years!!

Preserved by the Royal Museums Greenwich, Cutty Sark stands tall in phenomenal condition. Cutty Sark turned 150 years old in 2019 and we would like to highlight a few fun facts about her!

#1: **Cutty Sark** is the world’s only surviving extreme clipper.

#2: During its years as a British merchant ship, **Cutty Sark** visited sixteen different countries and travelled the equivalent of two and a half voyages to the moon and back.

#3: Launched on 22 November 1869 in Dumbarton, Scotland, it embarked on its maiden voyage from London to Shanghai on 16 February 1870. On its first voyage, **Cutty Sark** carried ‘large amounts of wine, spirits and beer,’ and came back from Shanghai loaded with 1.3 million pounds of tea.

Cutty Sark was built to last for just thirty years but served as a working ship for fifty-two years, a training ship for twenty-two years and has been open to visitors in Maritime Greenwich for sixty years.

#4: **Cutty Sark** was built for the China tea trade but would carry a vast array of cargoes during its career. **Cutty Sark** carried almost 10 million lbs of tea between 1870 and 1877.

The opening of the Suez Canal marked the end for sailing ships in the tea trade and so **Cutty Sark** had to find new employ. It transported a variety of cargoes, including over 10,000 tons of coal, before finding its calling in the Australian wool trade. It would transport more than 45,000 bales in its career.

#5: **Cutty Sark** represents the pinnacle of clipper ship design and was one of the fastest ships of its day. Aged 14 years, **Cutty Sark** started recording remarkably fast passage times, under her Master Richard Woodget.
A Way to Give Back

Global Maritime Book Drive

The Institute of Chartered Shipbrokers (ICS) in London has a project to supply maritime textbooks to Maritime schools where additional resources are needed. This year Sri Lanka was selected and next year will be West Africa!

Please let us know if you can contribute.

Membership

- Corporate Membership

Open to corporations and organizations that are involved in all aspects of maritime transportation.

- Individual Membership

Open to those who have an interest in all aspects of maritime transportation.

- Supporters

Open for organizations who have an interest in both maritime transportation and maritime education.

- Seafarer Membership

Open for Seafarers who are at sea, retired, or in shore-based positions.

- Educator Membership

Open for those interested in working together with corporations involved in maritime transportation and commercial shipping and in being part of the development of the program of communication through education.
Our Vision for Education

The Maritime Industry Foundation wishes to reach out to people who know little or nothing about the industry. It is largely a low-profile industry with little known about it by the world at large, both in terms of historic and contemporary knowledge, and also in terms of the vast and useful service it provides to every one of us. However, when the industry does get coverage in the press, this tends to be in the wake of an accident or disaster and this creates a negative impression.

This lack of industry knowledge is perceived to create problems for the industry as a whole, making it difficult for it to take control of its destiny, to promote maritime heritage and to attract the dynamic young talent that it needs.

Our vision is Education.

Our vision is education of the public, education within maritime circles to take the industry forward technologically, and to protect and identify maritime heritage.

The aim of our Maritime Industry Knowledge Centre is to enrich human knowledge and understanding of the vital roles of maritime industries and commercial shipping in the economic, social, political and cultural life of the global environment.

However, one of the challenges in realizing these ambitions lies in the very nature of the industry. It is vast, global and fragmented, made up of a diverse range of segments with their associations, members and accompanying interests. The challenge is to unite all of these interests in one project which is neither political nor commercial. We want to create a motivating, credible and appealing Maritime Industry Knowledge Centre in key languages, with regional administrators and outreach programs with customized regional resources.

The Knowledge Centre

- Knowledge Centre resource – ONE Voice in key languages
- English, Spanish and Mandarin language sites
- Twitter: 6,861 followers
- November Website Sessions: 16,725

Ideas Welcome

We welcome ideas and contributions for the next edition of the Knowledge Centre Newsletter!

Thank You, Peter Swift General Manager