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EXECUTIVE

News Bulletin

ISSUE 205
January 2022

MONTHLY COMMUNIQUE FOR EXECUTIVE SHIP MANAGEMENT PTE LTD, SINGAPORE

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Happy New Year!

ESM extends our warm greetings for New Year (1st Jan 2022)



MAIN NEWS

“It is the dedication and the perseverance of all in making 2021 another successful year for the Group”- Executive Group CEO thanks all personnel

Executive Group CEO, Mr B S Teeka, thanked all employees, onshore and at sea for their efforts and contributions in 2021 sustaining each company's growth despite the challenges brought in by the pandemic.

At a virtual Christmas Townhall event held on 24th December 2021 in Singapore and India, respectively, in his message, Mr Teeka commended and thanked all for their efforts, “As we wrap up the year 2021, we want to thank each one of you in the entire Executive group of companies for their efforts and contributions in sustaining the growth of each of the company through their work in this year. We faced enormous challenges brought in by COVID pandemic for the last two years but it is the dedication and perseverance of all, in making 2021 another successful year for the group. I am confident we will remain motivated and bring out the best of ideas to spur our growth for the coming years. My best wishes are with you all.”

While Deputy CEO, Ms Sikha Singh provided a positive outlook for the group, “The year 2021 is rather a year of reckoning for us as the Group undertook the task of reviewing the strategic directions for each subsidiary company with full rigour and seriousness. With the participation of each one of you and guidance from the senior leadership, we are confident that the group achievements will be in a stellar trajectory in the coming years.”

A corporate video showcased the highlights of each company, achieved due to the synergy and collaboration within the Executive Group of Companies. In India, Mr SM Iyer, Director, ESM India, wrapped up the year with a short speech thanking employees for their resilience and determination in ensuring business continuity despite undergoing personal challenges,

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Letter from ESM



We have come to flipping the last page of the 2021 calendar and closing yet another tumultuous COVID infested year. Good riddance? Hang on! As we write this letter, the Omicron variant has already made havoc in various countries creating disastrous impact on the travel rules of countries across the world. As we get reports of over twelve thousands of flights across the globe being cancelled, it is indeed a time to tighten the belt once again and prepare for yet another year of Covid with a more rigorous plan to live life with the virus lurking in the corner to catch us napping in complacency!

Yes, during the last two years, sadly, many of us lost some of our near and dear, friends and relatives including colleagues They fought the battle against the virus bravely – some recovered to continue their life, however bruised and battered they were, some succumbed. We do not bury their memory so easily. But they all send us the lesson to take life seriously enough to take care of our health.

“ *It's not Covid which defines the human spirit. It is the human who will determine the future of COVID and the future of the mankind* ”

As we bring forth the first newsletter of the year 2022, we are delighted to mention that we have officially competed 17 years of publication and this humble news bulletin is now 205th Issue old! As such the content of the newsletter has not changed drastically. It remains in letter and spirit, an avenue to communicate with all our employees, primarily, our seafarers. Over the years we have expanded our contents to provide a roundup of the news from across the Executive group of companies in addition to that of Executive Ship Management.

It is indeed overwhelming to receive numerous comments and congratulatory messages from our readers – seafarers and shore employees on this occasion. All these feedback means a lot for us and motivates us to continue in our journey to work for the next hundreds of Issues. The Communications Team has worked hard to bring this special issue and our design team, Nurul and Maya, are instrumental in bringing out a new look and makeover of the new bulletin of this new year.

We have continued with our regular articles and features including the Technical article – written by our in-house team based on their practical knowledge and experience of managing ships. This Issue's article on multiway valves in Electronic Engines is indeed more meaningful, the writer being Technical Superintendent Mr. Sameer – a SIMS alumni and ex Chief Engineer of ESM fleet. Capt. Vinod of Adhart Shipping has continued to garner interest as he writes on the DSS Scale to make you feel it is a piece of cake!

The Health and Environment news are as usual based on latest scientific research, and we are happy that many readers value the tips and information provided there.

A round up of the yearlong activities provide our readers a glimpse of what kept us all busy and the success of an organisation is the result of both a teamwork and smart work. We are deeply appreciative of each employee - at sea and ashore bringing in this success and ensuring that coming year will be another success story to relate in the next January news bulletin for us!

After all, it's not Covid which defines the human spirit. It is the human who will determine the future of COVID and the future of the mankind – as always!

Wishing all our readers a very happy, healthy and safe new year!

Sikha Singh

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To contribute or be featured in the website, do write to us at communications@executiveship.com

TECHNICAL NEWS

Maintenance of Multiway valves in Electronic Engines

By Mr Sameer Abdeen, Technical Superintendent

It's been more than 15 years since electronic engines were conceptualised for meeting the ever-stringent environment and NOX emission norms. Ship operators worldwide are always pursuing using a marine engine with the lowest possible specific fuel oil consumption. Using the electronically controlled timing of fuel injection and exhaust valves, this was made possible. As we sail into this era of new-age engines, we face the abrupt nature of faults associated with electronic and hydraulic components.

Based on service experience, the multiway valves should be due for overhaul only after 32,000 running hours, equivalent to about five years in service. However, occasionally some premature failures of these valves have been experienced, leading to significant breakdowns and off-hire of vessels.

Fuel Injection and Exhaust Valve Actuation (FIVA) Valve - shortcomings in the earlier versions:



At year-end 2006, the combined Fuel Injection and Exhaust Valve Actuation (FIVA) control valve was in service on electronic engines. Untimed

injection and improper exhaust valve actuation on some of these engines had caused cylinder cover lift. The above phenomena had been identified and attributed to FIVA PCB, which

shut down or froze the FIVA feedback signal generated by the over-temperature shutdown of the component (self-protection). On several other occasions, particles in the hydraulic oil were observed to have caused scratches on the spool valve, which eventually stalled the proportional valve.

For failure of FIVA valves, as we see in the above illustration, from 32,000 to 48,000 hours of engine operation, failure rates of mechanical and electronic parts are constant. Still, from thereon, the mechanical part has an increased failure rate. For this reason, makers recommend overhaul interval of FIVA valve as 32,000 R/H.

A recent case study

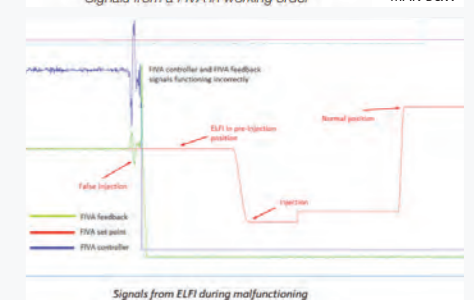
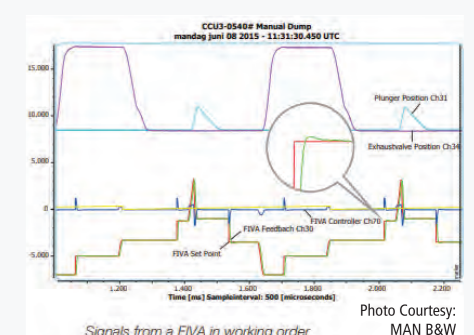
Recently, there was a major breakdown of Main Engine by malfunctioning Electronic valve Fuel Injection (ELFI) valve on one of the cylinder units. A mistimed fuel injection caused the cylinder cover to lift to release the excessive combustion pressure. This sudden release of pressure swept away the sealing faces between the cylinder liner and cylinder cover, also blowing off the cylinder gasket as if it was a bursting disc!



Both the Cylinder liner and Cylinder head were beyond repair and rightly condemned after this breakdown because of the nature of the damage.

What went wrong

Hydraulic Control Unit (HCU) events on the main operating panel (MOP) can plot the curves shown below, which show the signals from a FIVA that is in good working order. In the figure, activation of the fuel pump is seen as plunger position Ch. 31, while the exhaust valve is shown as exhaust valve position, Ch. 34. The setpoint activates the FIVA and thereby FIVA feedback Ch. 30. A slight mechanical delay is likely to occur, whereas large deviations are caused mainly by problems with the MPC or the proportional valve for the specific unit.



For 2 Stroke Diesel Engines



Comparison mechanical parts & electronic parts

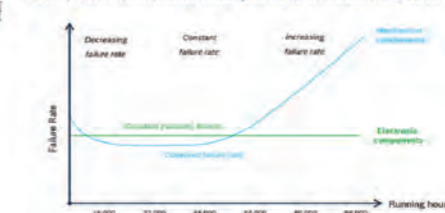


Photo Courtesy: Bosch Rexroth

In this case, the HCU event, when plotted using the dump log files, clearly indicated false activation of ELFI (resulting in the early injection of fuel and high peak pressures) before the engine slowed down, but this was not before causing damages to the Cylinder liner and Cylinder cover by the excessive rise in peak pressure which was eventually released by cylinder cover lift.

Continued on Page 11

SAFETY MOMENT OF THE MONTH

Manufacturer mistake in Line Throwing Device

**** The monthly safety moment is collected from various sources associated with the Maritime industry for educational purpose and is not necessarily an actual incident from the ESM fleet.**

An Officer was assigned to inspect and replace a Pyrotechnic. While replacing the rocket in the Line Throwing Device (LTD), he found that the previous installed rocket was inserted upside down, which would require improper activation if needed.

The same was found in two other LTDs on board. It was later found out that the LTDs had not been delivered in this state but this defect had not been discovered during inspections.

Lessons learned

1. The inspection of even the most basic equipment might lead to surprises. This task must be taken with the utmost seriousness as even manufacturers can make mistakes.
2. All the LSA / FFA items are to be inspected as per the company's weekly / monthly maintenance & inspection plan.

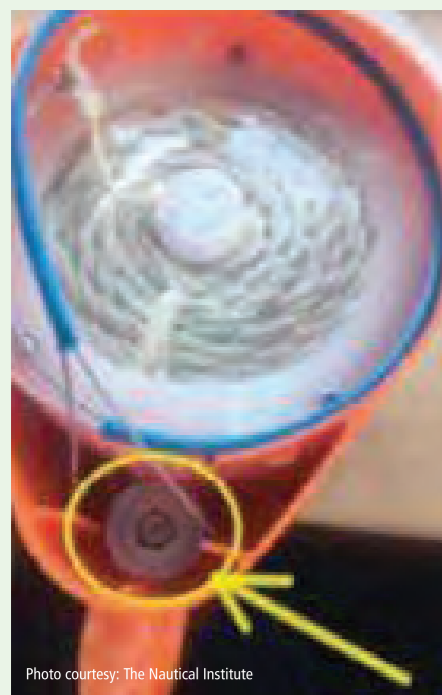


Photo courtesy: The Nautical Institute

COMMERCIAL

An understanding of the Douglas Sea State (DSS) Scale

By Capt. Vinod Dubey,
Assistant Manager, Adhart

Vessels are chartered to perform a certain speed / consumption in a defined good weather conditions which, the Industry has generally accepted as wind up to Beaufort Force 4 (BF4) and sea state up to DSS3. The Douglas Sea Scale (DSS) to describes the sea condition. Invented by Sir Percy Douglas a century ago, it is an integral part of Charter parties.

There is no instrument to measure DSS thus, a ship's crew may not understand how to define sea state, whether it is current, swell or wave. And so, Sea State has commonly been at the center of dispute between Owner and Charterers.

In this article, we explore this widely used term "Douglas Sea Scale" and understand how it is used to define sea state.

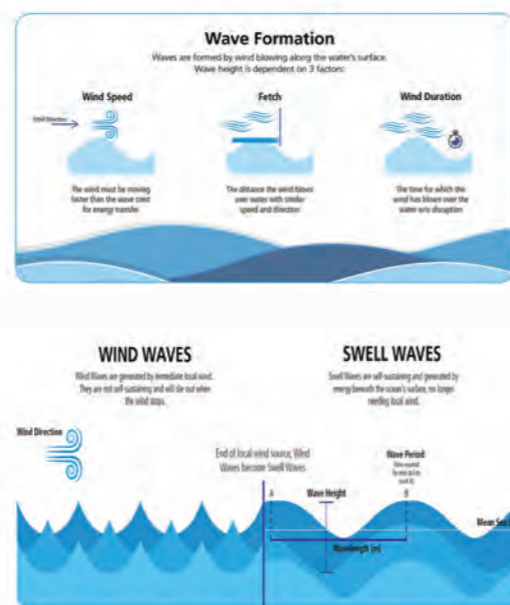
First thing first, Douglas Sea state (DSS) Scale does not measure wind or current. Instead, it is a measure of Significant Wave Height. What constitutes this "Significant Wave Height"? This is the height of observed sea waves i.e. a combination of wind wave and swell wave .

Wind waves are formed by local wind blowing along the sea surface. Their wave height is dependent on wind speed, fetch length (fetch being the distance the wind blows over water with similar speed and direction) and the duration the wind blows consistently over the fetch.

Swell waves are caused due to waves that travel outside their generation area and are no longer the result of local wind.

The significant wave height which constitutes the impact of both the Wind Waves and the Swell waves can be calculated with the following equation:

$$H_{sig} = \sqrt{(H_{wind})^2 + (H_{swell})^2}$$



Hence, if a weather routing company provides the data of Wind wave height and swell height, Master can easily use the formulae to calculate Significant Wave height.

As a rule of Thumb for easy reference, a wind wave height of 1.25 m and a swell height of 2 m will mean a Significant Wave Height of 2.4 m which corresponds to DSS3 i.e. border of Good Weather.

There are some Charter parties, which are not well drafted, in which the terms DSS3, a Significant Wave Height and the wind wave or swell height are used in the same sentence.

For example, "AND UP TO DOUGLAS SEA STATE 3 (UP TO MAXIMUM 2.0 METERS HEIGHT FOR WAVE AND SWELL)". Such statement is contradictory and misleading, as DSS 3 corresponds to a significant wave height of 2.4 meters, not 2.0 meters.

In a nutshell, Ship's staff should have absolute clarity on the DSS calculation, and Owners should endeavour to agree on a value of Significant Wave Height instead of DSS in the Good Weather description of a Charter Party to avoid such confusions.

MIND YOUR BODY

Common sleep disorder has higher health risk

A study conducted by researchers from Flinders University, Adelaide, Australia has found, people who suffer from both insomnia and obstructive sleep apnoea are more likely to suffer from heart problems and are almost 50% more likely to die than those without either condition.

Insomnia and obstructive sleep apnoea are common sleep disorders in a general population. According to the Sleep Health Foundation, insomnia is when it is hard to get to sleep or stay asleep. Obstructive sleep apnoea means losing your ability to breathe freely while asleep, causing them to have disruptive sleep. People can also have both sleep disorders known as Co-Morbid Insomnia and Sleep Apnea (COMISA).

COMISA is a highly prevalent and debilitating

disorder, which results in additive impairments to patients' sleep, daytime functioning, and quality of life, and complex diagnostic and treatment decisions for clinicians. Little is known about the impact of COMISA and researchers note that its true burden has been so far largely underestimated.

To conduct the research, Flinders researchers studied a large US-based dataset of over 5000 people to understand the risks of COMISA. The participants were around 60 years of age at the beginning of the study and 52% female, were followed for approximately 15 years, with 1210 people dying during that time. The results suggested that participants with COMISA were two times more likely to have high blood pressure and 70% more likely to have cardiovascular disease than participants with neither insomnia nor sleep apnoea.



The study also showed participants with COMISA had a 47% increased risk of dying for any reason compared to participants with no insomnia or sleep apnoea, even when other factors known to increase mortality were taken into account.

Further research is needed to investigate what might be causing the higher mortality risk for those with COMISA, the reasons COMISA occurs frequently as well as to develop more effective treatment approaches. However, the researchers advised those who have been diagnosed for insomnia or sleep apnoea are encouraged to get screened for COMISA so as to better receive treatment.

ENVIRONMENTAL NEWS

Climate change strategies are effective only with change in human behaviour

A new study conducted by researchers from the University of Utah found no statistically significant difference with current proposed climate change solutions of energy efficiency improvement and renewable energy development. Hence, these are not the best nor most holistic solutions to resolving the critical environmental issue.

The climate is changing and worse at an alarming rate due to extraordinary amounts of greenhouse gases such as carbon dioxide (CO2) in the atmosphere. A global crisis, most societies focus on slowing down climate change with two solutions that reduce greenhouse gas emissions – improving energy efficiency and using renewable energy sources.

Improving energy efficiency means using less energy to perform the same task – that is, eliminating energy waste. It is a low-cost and most immediate manner of reducing the use of fossil fuels. Using renewable energy resources refers to energy that is collected from renewable resources that are naturally replenished on a human timescale such as sunlight, wind, rain,

tides, waves, and geothermal heat.

The study compared every U.S. state's CO2 emission with their investment in the two solutions from 2009 to 2016. Each solution's impact on CO2 emissions across four sectors, individually residential, commercial, industrial, transportation and the impact across all industries combined were analysed. Results showed that a 1% improvement of the economic output in reduced CO2 emissions in residential, industrial and transportation sectors, confirming that overall improvement in production efficiency across society is beneficial.

In contrast, a state's energy efficiency policy scores had no statistical effect on CO2 emissions in any sector. The study found that increasing renewable energy by 1%, resulted in a 0.69% reduction in CO2 when all sectors were combined. However, the residential sector on its own had the opposite result -- a 1% increase in the amount of renewable energy led to a 0.36% increase in CO2 emissions, appearing counterintuitive, leading to more surprising revelations.

First, policies aimed at helping consumers

improve energy efficiency did not affect CO2 emission. States with economy-wide lower energy input per each unit of economic output (per capita gross domestic product, GDP) emitted lower greenhouse gas levels. Second, investment in renewable energy sources led to increased CO2 emissions in the residential sector. These outcomes are evidence of the rebound effect that describes when people respond to saving energy by consuming more, thus negating the benefit of CO2 reduction.

Researchers explained that present solutions towards looking at emissions were technical – build efficient vehicles, homes that use energy. However, these solutions ignored the psychological aspect of human behaviour where for instance, a hybrid car owner might drive more because they save money on gas.

There are consequences to each climate change solution. Investing in renewable energy means expanding mining, further risking environmental pollution. With every passing year, the threat of climate change is only getting more profound and more holistic solutions that include the restructuring of society needs to be considered.

Greetings and Compliments from our valuable readers

The Executive News Bulletin has been conveying company news, industry information, health tips and more for almost two decades. As we begin the New Year 2022 with a new design and layout, we asked our readers – onshore and at sea to share what the newsletter means to them, their feedback, and best wishes and are pleased to share the same with all our readers here.

Kudos to the Editorial team! This bulletin has been an important link between seafarers and office through which we share important information to the entire ESM family, appreciate achievements of our employees, wish them birthdays, etc. This wholesome bulletin has something for everyone. I would also like to take this opportunity to sincerely thank all the seafarers for their relentless service during the challenging times. With your support, we continue to ride the Covid wave and provide services to our clients. Wishing everyone a Happy and Prosperous New Year 2022.

Mr. Arvind Saxena, Assistant Managing Director, ESM Singapore

Seeing photos of vessel deliveries from shipyards and takeovers on the Executive News Bulletin is a moment of pride and joy. The ENB contains a wholesome contribution from shore and onboard personnel, touching on achievements, health, experiences, good practices to be followed and other features that provide food for thought.

Mr. Rajamohan Kannuswamy, Senior Technical Superintendent, ESM Singapore

There is a big knowledge pool in Executive Group and the newsletter is one good way to share knowledge which will be difficult to gain by any individual without experience.

Mr. Mukesh Kumar, Senior Technical Superintendent, ESM Singapore

I have watched ENB's progress from a privileged vantage point and witnessed the passion and intensity of gathering, editing, and putting all important news together. For all of us, the ENB has served as a one-stop comprehensive news provider to present a pictorial summary of happenings in ESM. It has chronicled our aspirations, growth and achievements for posterity in the past issues.

From its humble beginnings, it has grown to include a wholesome potpourri of news delightfully packaged to keep all of us ESMites connected, entertained and well informed about our beloved organization. I extend heartiest congratulations and best wishes to Ms. Sikha and entire Communication team for this wonderfully charming and delightful publication to inform and educate all of us ESMites!

Capt. Arun Sundaram, Group Director, Executive Group

ENB - The bulletin that binds and bonds the ESM family. Wishing all readers a Happy New Year!

Mr. Krishnamurthi Venkatesh, Manager, Technical Support

I sincerely appreciate the excellent coverage of various shipping topics and topics of well-being to the crew in a best tradition. Writing monthly on commercial topics, I too have been a part of a fantastic learning journey. Thank you.

Capt. Vinod Dubey, Assistant Manager, Adhart Shipping

ENB acts as a good source of information categorized in different section like technical news, commercial news, environment and health related news. It provides a glimpse of happenings in company and the maritime industry.

Chief Officer Abhijit Bhattacharjee, FS Endeavor

Today, we live in an era wherein binders of information on every topic is available at the click of a little mouse. However, the seafaring community at large, years for credible information outside of that available on the spicy social media. ESM's management recognized the need to plug this information gap leading to the release of the first bespoke Executive News Bulletin, a broad spectrum inhouse publication that had something in it for everyone and packs in a gamut of illuminative and educative articles.

I re-invite all readers to continue to enjoy the experience created by our editorial team, for whom every issue is a "Labour of Love".

Mr. SM Iyer, Managing Director, ESM India

I always look forward to the 1st of each month when we get updates about new developments, achievements and the way Executive group is progressing. It gives a strong sense of belonging to the company and makes us feel proud to be a part of this organization.

All the best to editorial team who makes it happen month on month and wishing 100s of more issues in coming years!

Capt. Manish Jain, Manager, Vetting and Operations, ESM Singapore

One of the most cherished moments while onboard is getting in touch with family. With this same excitement we keenly await the ENB each month to know about our family – 'ESM'. It is enriched with maritime news, technical and non-technical information and also got space for entertainment such as puzzles, jokes etc. Kudos to the whole editorial team for this wonderful creation. Keep going!

Fourth Engineer, Aby Varghese, FS Endeavor

As a seafarer onboard, we eagerly wait for ENB monthly editions for numerous reasons such as latest updates on industry practices and changes, activities by shore staff of ESM and surprise competitions included in the ENB. We look forward for such interactive sessions that enable us to remain connected to the mainland. On behalf of "Claxton Bay", our good wishes are with the ENB team for endless issues in future!

Capt. Anupam Prabhakara, Claxton Bay



FS Endeavor was featured in the Executive News Bulletin recently for the celebrations we held onboard. Seeing those photos and comments by the company about the activities we made me realise the happiness ENB delivers to its crew. Looking forward to see more exciting features and to get featured in the ENB. Thanking the team behind the ENB and wishing all a Happy New Year 2022!

General Steward Ram Manohar Koda, FS Endeavor

ENB plays a vital role in my career as I get to know the latest news about the shipping industry as in what is happening around the world and with COVID-19. I thank ENB team members for being there for support and guidance. Happy New Year!

Able Seaman Mr. Yufil Yunus, FS Endeavor

The ENB has been a mirror and window reflecting oneself as well see through the Executive way of managing, handling, manning and vessels across the fleets. At times it acts like a friend, providing hopes when reading "Letter from ESM," awards, accolades, other inspiring stories etc. Then, it gives amazing health tips to keep oneself fit. Last but not the least when you feel low it cheers you and helps one to sharpen one's mental skills. Long Live ENB and Executive Ship Management!

Capt. Mahendra Singh, FS Endeavor

Various articles on Safety, Technical, Health, Environmental, Commercial aspects keep us updated with inhouse and outside Maritime industry activity and knowledge. We enjoy reading and viewing contests, celebration and fun activities onboard and ashore through ENB. We thank and appreciate the efforts of participants and the Editorial Team for spreading such Industry awareness, company news, onboard activities and creativity through the ENB.

Second Officer Rahul Gupta and all crew onboard Marlin Amber

I came across Executive News Bulletin for the first time when I joined SIMS Lonavala in 2017. Since then, it has become my habit to go through it on the very first day of every month. It is my one stop destination for everything happening at ESM. It is a melting pot for people to share their ideas, knowledge, experience, etc. and for people like me who are just in the budding phase of our career, it has proved to be a boon in disguise. The magazine also highlights a common bond that runs through the entire fraternity of ESM, despite everyone working across different corners of the world. My best wishes to the publication team with more to come.

Fifth Engineer Tanmaya Senapati, FS Endeavor

I can clearly remember the day I read my first copy of ENB from the SIMS library in Feb 2007. As a recently graduated cadet, it was overwhelming for us, but now I feel proud I am a part of the ESM family. My personal favorite section of ENB is the technical news, which updates the readers with some latest developments in engineering field as well as the letter from ESM.

I look forward to be a part of ENB and extend my wishes to all wishing all for a Merry Christmas and a wonderful New Year 2022.

Chief Engineer Mr. Rajaram Subramanian, Kamome Victoria

I always wait on board to receive the Executive News Bulletin for the upcoming month. I love reading the ENB to know all the happenings across the globe with just one bulletin for the month. ENB enlightens our knowledge by sharing powerful topics, healthy tips, latest technologies, which become the best practice on board for every one of us. Participating in ENB is like re-living college days where extra activities always make you joyful! My best wishes to the team and I look forward to reading about many more milestones to come!

Electrical Officer Mr. Parth Khanna, Marlin Ammolite

I have been writing poems and sending some of the clicks from my trainee days at SIMS and that's why there's always a special bond with ENB. I now have my own blogs on social media where I share my written work and photographs, all of this happened because ENB gave me the first platform where I broke my mounting hesitation and now, I feel thankful to myself for doing so and of course to the ENB. I extend my kindest regards to the ENB team whose work I am sure requires a soul-shaking efforts behind the screen consistently.

Third Engineer Harshal Shrivastava, M.T Pioneer Bay

2021: Celebrated the ESM spirit A year of resilience, synergy and extraordinary

Awards and appreciations

ESM was recognized by the Maritime Port Authority of Singapore (MPA) for Outstanding Contribution to Search and Rescue Efforts in 2020 for a second consecutive year for a rescue conducted by managed vessel MT Godam. The company also received Search and Rescue award and a commendation from the Australian Maritime and Safety Authority (AMSA) as part of the Australian Search and Rescue awards 2021 in the non-professional category.

Chief Engineer Shaun Gerald D'Souza, and Capt. Vipin Mahlawat were conferred with the MPA's MaritimeSG Care Excellence and the MaritimeSG Care Commendation award respectively for their unwavering efforts to support and assist a COVID positive crew member in need of urgent medical assistance.

MT St. Gertrud received appreciation from Petronas Marine pilot for timely action taken by the vessel to avert mishap during ship-to-ship operations at Banang Terminal.

We were deeply honored to receive these recognitions and extend our sincere appreciation to the crew and the teams involved.

Trailblazing milestones

ESM pioneered the inhouse installation of the Ballast Water Treatment System (BWTS) onboard managed bulk carrier, Chola Harmony while sailing without disruption to its commercial activities.

The company added another feather in its cap by remotely monitoring the loading and discharging operations of high value cargo, a yacht of 27.4m length on PAC Shaula. Sea trial of marine biofuels were conducted onboard Marlin Amethyst.

Marlin Azurite a non-ice-class vessel successfully sailed in polar waters after extensive preparations and coordination between the company, crew, owners, and other stakeholders.

These projects were safely executed by the ESM ship and shore teams demonstrating their operational and management excellence.

Congratulations to the respective teams involved in the various projects.



Digital transformation and other initiatives
Taking the company's digital transformation further, the ESM Crew Portal mobile application was successfully launched for all seafarers, streamlining operation process pertaining to crew matters, increase speed of interactions between the crew and shore teams and reducing administrative workload onboard.

Advancements were made to the Work and Rest Hour module and the Planned Maintenance System on Phoenix 3.0. This entailed incorporating new features that enable an interconnected, integrated, and more efficient and user-friendly system. More efforts are underway to streamline the software and further upgrades will enable better ship-shore collaboration in due course

The company partnered with a maritime data intelligence company for the Decarbonization Program (D4D) project providing predictive intelligence using big data and Artificial Intelligence (AI) to predict carbon emission basis

fuel oil consumption.

ESM also secured Singapore's Data Protection Trustmark from the Infocomm Media Development Authority of Singapore (IMDA) as part of its measures for responsible data protection management.

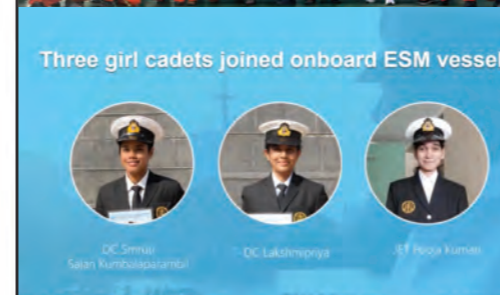
New deliveries and takeovers

A total of ten takeovers and yard deliveries joined the ESM fleet with a steady line – up in store ahead.

COVID support and vaccinations

Amid the second wave of the COVID-19 pandemic, Executive Group of Companies stood in solidarity with shore employees, seafarers, and their loved ones sending 50 oxygen concentrators to India for those in need. In a COVID-relief drive a total of up to Rs. 32 lakhs (SGD 58,446) were successfully raised where in medical supplies such as PPE Kits, pulse oximeters, thermometers, nasal cannulas, oxygen concentrators, oxygen cylinders, N-95

Covid support



and surgical masks were purchased for frontline organizations in states and cities.

Eligible shore employees, seafarers and cadets were successfully vaccinated. Nearly 4000 seafarers onboard and on-leave have been vaccinated since the initiative commenced. OnExecutive COVID meet events were also held online for employees across India as the company extended its support and empathy to all. The company also briefly held a "Share the Light" campaign, encouraging everyone to share stories of hope and positivity.

Safety Through Mentoring campaign

A campaign initiated by the HSEQA department took on a new spin on learning through mentorship with a "Safety Through Mentoring" campaign for the first time. Webinars on the same topic was held in March, July, and October, further encouraging the ship-shore collaboration especially necessary amid COVID restrictions.

We thank everyone for participating will

continue with more ahead in 2022.

Excellence in Seamanship

Vessels Zarifa Aliyeva, Gran Couva, Arago and Velos Fortuna were well prepared, successfully conducting strategic rescues and assisting distressed sailors amid inclement weather conditions.

Our community

Over 286 Seafarers completed 10 years of service with ESM. Eighty-four were senior officers, 100 and 101 were Junior Officers and Ratings respectively.

The company continued to ensure a safe and efficient crew change wherever possible, providing regular updates to the global situation.

Further expanding the opportunities for community building and bonding, ESM launched its official Facebook page earlier this year. The Communications department also provided seafarers with opportunities to unleash their

creativity as well as for crew engagement through various initiatives such as Onboard Crewtivity, Festive Creative Competition, Executive News Bulletin Photography Contest 2021 as well as the ongoing "My Hopes and Goals for 2022" contest.

We thank everyone for participating will continue with more ahead in 2022.

SIMS Lonavala and Mumbai

Two of SIMS innovations, the Pump Performance Analyser for a Centrifugal Pump and the cargo tank washing process secured patents by the Indian Intellectual Property, Govt. of India.

SIMS retained A1, the highest rating awarded to a Maritime Training Institute by the Director General of Shipping, Government of India. Both Mumbai and Lonavala campuses also achieved its target of "Nil Deficiency" together during a DNV-External Audit (Re-certification) audit for ISO 9001.

Good quality training for seafarers by introducing new post-sea courses such as a pilot crane operators' course for ratings, ships operating in polar waters and Maritime Risk management and Incident Investigation. Courses were successfully conducted for both internal and external clients delivering nearly 7000 virtual certificates in 2021.

The Post-Sea training institution also collaborated with the UK P&I Club three times, conducting webinars and training courses on key topics such as Synchronous and Parametric Rolling Training, Bridge Watch-keeping etc.

In collaboration with ESM, SIMS also held its first ever webinar, "Shaping the Future for a secure tomorrow" for cadets.

Three female cadets, SIMS alumni signed on to ESM managed Marlin Aventurine and Marlin Apatite respectively and three more female cadets graduated in the DNS and GME courses paving a new path for female seafarers.

Despite the setbacks from the pandemic, our resilient spirits and steadfastness led us to achieve these milestones together. We look forward to raising the ESM flag higher in 2022.

ESM NEWS

Crew changes in over 80 vessels conducted amidst global Omicron concerns

Over 80 vessel crew changes were conducted in December 2021 in spite of growing concerns over the Omicron variant of the COVID-19 virus raging across the globe. The situation is closely and carefully monitored to ensure safe crew changes keeping in mind the health of each seafarer.

India Update:

India has opened its borders to international travellers. However, due to the increasing number of cases with the Omicron variant, the situation is fluid as different states have adopted varying Covid restrictions which may interfere with sign on and sign off plans. The Directorate General of Civil Aviation (DGCA) earlier in December extended the ban on scheduled international passenger flights excluding those approved by the DGCA till January 31, 2022.

From January 10, eligible residents above 60 years with comorbidities would be offered COVID-19 booster shots. We encourage eligible seafarers on leave and employees to take the precautionary dose when offered.

Singapore Update:

Singapore has suspended sales for Vaccinated Travel Lane (VTL) flight tickets from Dec 23 to January 20 as the country tightens its borders amid a rising number of imported Covid-19

cases. Travel tickets purchased prior to the suspension are not affected.

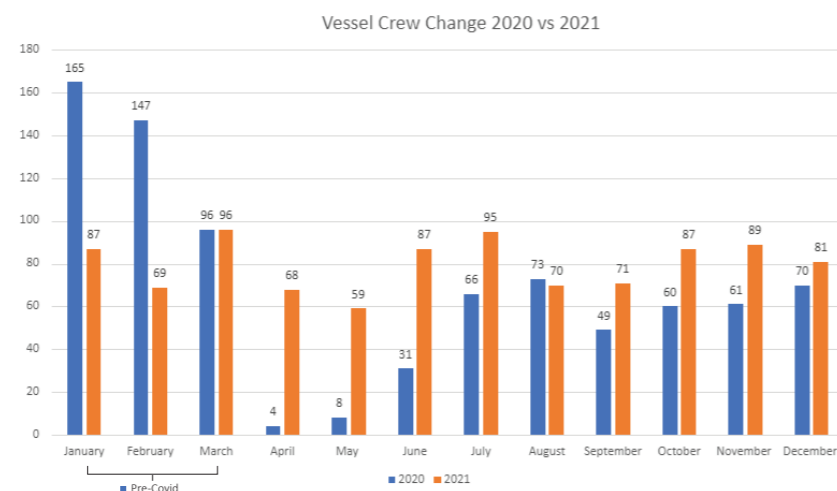
New developments that may affect crew changes ahead

Countries across Europe are tightening restrictions as infections rise and the new Omicron variant spreads through the continent. Netherlands is presently under a lockdown that is projected to last till mid-January. Germany, France, Greece, Iceland have implemented stricter restrictions to stem the spread.

Across the world, thousands of flights are being cancelled and ticket prices are soaring. Several countries have demanded complete

vaccination certifications for new joiners and off-signers. US which is a convenient country for crew changes does not have visa schedules. Crew changes are also not allowed in Far East countries such as, Japan, South Korea, Mongolia, the People’s Republic of China, Hong Kong and Macau), Taiwan, Quemoy, and Matsuo, Brunei, Cambodia, East Timor, Indonesia, Laos, Malaysia, Myanmar (Burma), Thailand and Vietnam.

Crew members are strongly urged to adhere to COVID-19 precautions and protocols as the Company continues to monitor the situation while making avail of each opportunity to ensure an efficient but most importantly, safe crew changeover.



MAIN NEWS

Continued from Page 1

especially from the peak of the second wave period. Capt. Sumit Sahni, Assistant Director, ESM India, lauded their various shore teams for their untiring efforts to deliver results, especially at pivotal moments in 2021.

Virtual festivities included the announcement of the Annual Winners of the TEAMMate Appreciation Programme in ESM Singapore and India. Employees were recognized for their Long Service, other personal accomplishments and inter-department competitions.

Celebrations were brightened at the India event with carol singing performances from ESM Cochin and SIMS Mumbai employees and their family members showcased throughout the

event. ESM India also held other competitions such as a Christmas Tree decoration competition, a creative cooking competition, a bake sale and a "Jolly Moments" photography competition.

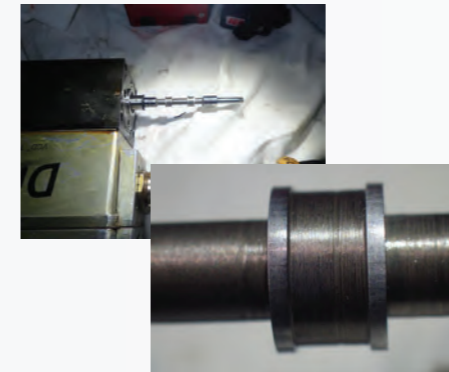
The events were hosted by Ms Varsha Vaswani, Senior Communications Executive, Communications, ESM Singapore and for India by Col (Retd) Sharat Laskar, HR Manager, and Ms Agnes Rose, Assistant HR Manager, ESM Mumbai.

We thank the Communications team, the Human Resources team in India and the IT teams for organizing the event and attendees' enthusiastic participation.



TECHNICAL NEWS

Maintenance of Multiway valves in Electronic Engines – Continued from Page 3



Cause of ELFI failure

Upon closer inspection of the spool valves of the proportional valve and ELFI valve, substantial scratches were seen at the spool valve, indicating particles had passed through the valve. This ELFI valve was one of the earliest versions developed by the maker and was not provided with any safety screen filter.

A magnified view showing the presence of scoring by particles present in the hydraulic oil

Retrofits on FIVA valves to enhance performance

Superfine back-flushing filters (6 microns) are provided in the hydraulic control system, which significantly reduces the risk of damage to the FIVA and Hydraulic Power Supply (HPS) control



valves. These superfine filters are to be inspected once every 16,000 hours. Additionally, makers recommend retrofitting a safety screen filter of 100 microns, which will further protect the proportional valve against the large particles from, e.g., a maintenance job at the HCU block or metal leftovers from the production of engine parts not removed during flushing, which could potentially cause an unexpected cover lift. The old bottom piece of the ELFI valve can be easily replaced by the new bottom portion, including the safety screen filter. This safety screen filter is to be cleaned once every 6,000 hours and recommended to be changed after 64,000 hours of operation.

Takeaways and Conclusion

a) Regular Lab analysis of hydraulic oil is essential for condition monitoring, ideally every quarter. It is advisable to use the microscope method for particle detection test (ISO 4407); by laser method, even the harmless particles get counted.

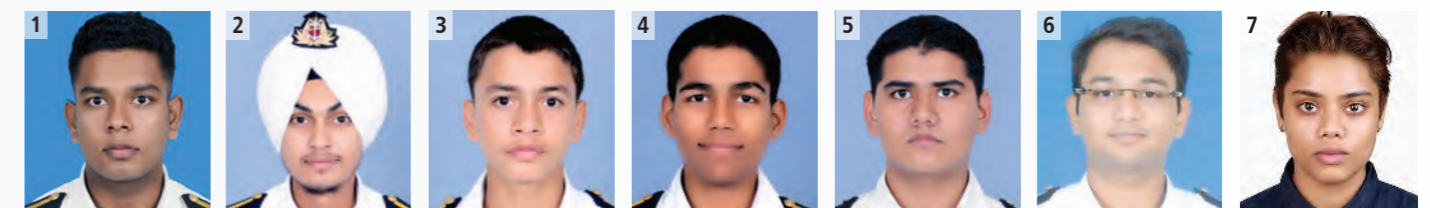
- b) Retrofits as advised by Makers to be installed, where necessary. The earlier version of ELFI valves is to be replaced with the latest retrofit models that come with additional fine filters.
- c) The HCU event files should be used to study the plotted curves with the assistance of makers on a 6-monthly basis. The large deviation between the setpoint and feedback curves indicates a problem with Multi-Purpose Controllers (MPC) or proportional valves, which must be attended on a timely basis.
- d) To ensure the latest Computer Controlled Surveillance – Engine Diagnostics System (COCOS-EDS) version is installed, the same should match with the Engine Control System (ECS) software version.
- e) Hydraulic control valve and Main hydraulic pump overhaul should be part of the Dry Dock preamble for all vessels with hydraulic engines.

Since change is the only constant, design evolution will continue until the end of time. All we need to do is keep ourselves abreast with the latest developments to overcome challenges unattended by existing technologies. I hope to see better and better engineering solutions in the foreseeable future to make this world a better place to live.

NEW JOINERS

New joiners welcomed onboard ESM vessels

Adding to the growing number of cadets from SIMS Lonavala who join onboard ships managed by ESM as Officers, we welcome:



- | | | | | | |
|-------|--------------------------|----------------|-------|------------------------------|-----------------|
| 1. 30 | MATHEW PAUL | APL MINNESOTA | 5. JO | PAWAN FAUZDAR | SCHWYZ |
| 2. JO | KARANDEEP SINGH SIDHU | MAREX NOA | 6. JE | RAHUL GANGARAM GAWADE | REFERENCE POINT |
| 3. JO | SAHIL RATHORE | THE BLACKSMITH | 7. DC | SMRUTI SAJAN KUMBALAPARAMBIL | MARLIN APATITE |
| 4. JO | SHYAMJI RAMLAKHAN MOURYA | ASTRID | | | |



Hopes & Goals for 2022

Participants are encouraged to submit a creative video (not exceeding two minutes) sharing their hopes and goals and how they plan to achieve them in the new year.

Contents of the video may include voice-overs, musical renditions by the crew, interview style, photo compilations etc. Rally your crew and get creative!

The results of the competition will be announced in the Executive News Bulletin February Issue and winning entries will be shared on Executive Group social media platforms as well. The campaign is open to vessel and/or group submissions onboard.

Entries will be judged on crew camaraderie, creativity and originality, quality of the submitted entry.

Submission date: **15th January 2022**
Send your entries to: **communications@executiveship.com**

*Please refer to the December 2021 issue of the Executive News Bulletin for the full list of terms and conditions.

www.executiveship.com

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We are seeking highly passionate Officers for various onshore position/s*

HSEQA Supdt (Chennai)

Interested Officers please send updated resume with detailed sea time experience to hr@executiveship.com or contact HR department on +91 22 66895555

*Please note only successful applicants will be contacted



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- **Assistant Personnel Officer** (Chennai)
- **Electrical Faculty** (SIMS Mumbai)

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SIMS



SAMUNDRA INSTITUTE OF MARITIME STUDIES (SIMS)

Graded A1 outstanding (Amongst top Maritime Institutes in India), obtained in the inspection conducted by the Government-recognised independent body ClassNK, Japan (Nippon Kaiji Kyokai) – largest classification society in the world

COURSE SCHEDULE - JANUARY 2022

ONLINE COURSES

COURSE	NO. OF DAYS	INTAKE	DATES
Advanced PSCOM E-Learn	2 days	5	On Request
MARPOL E-Learn	2 days	5	On Request
ERM E-Learn	1 day	5	On Request
Resilience Self Learn	1day	CBT	On Request
BBI E-Learn	1 day	5	On Request
DP Induction Elearn	3 days	2	On Request
DP Maintenance	3 days	2	On Request
Bulk Carrier E-Learn	1 day	3	On Request
Navigation Audit E-Learn	1 day	5	On Request
Safety Induction Training-Ratings E-Learn	3 days	5	On Request
Internal Auditor E-Learn	2 days	5	On Request
RCA E-Learn	1 day	5	On Request
BWTS E-Learn	1 day	5	On Request
Type Specific ECDIS Online (TRANSAS/JRC/CW)	1 day	2	On Request
High Voltage -3D E-Learn	3 days	4	On Request
ASPHALT-B E-Learn	1day/0.5	2	On Request
Wind Mill E-Learn	1 day	3	On Request
MARFLEX E-Learn	1 day	1	On Request
CCOB E-Learn	0.5	3	On Request
EP E-Learn	4	3	On Request
Log Carrier E-Learn	1 day	3	On Request
Maritime Risk Management(DNV)	1 day	6	On Request
FRAMO E-Learn	2 days	3	On Request
PUMPMAN (CL RM)	6 days	4	On Request
ME	1 day	2	On Request
Crane operator course	1 day	4	On Request
ECP MARPOL E-Learn	3 days	4	On Request
ECP MARPOL E-Learn(rating)	2 days	4	On Request
ISO Awareness training	1 hr	Unlimited	On Request
BTM-Refreher course	1day	6	On Request
MARPOL Refresher course	1day	6	On Request
Adv Psc Om -Refresher course	1day	6	On Request
ADVANCED ECIDS OPERATION	1day	1	On Request
ERM Refresher course	1day	6	On Request
Colreg	2 days	12	On Request
Hazmat	1 day	12	On Request

CLASSROOM COURSES

COURSE	NO. OF DAYS	INTAKE	DATES
ASCT	3 days	8	On Request
ASOT	3 days	8	On Request
COC (Engrs)	1 day	4	On Request
Ship Handling & Command	4 days	4	On Request
JONSE	2 days	4	On Request
Ice Navigation (Deck)	2 days	6	On Request
Large Vessel Manoeuvring	2 days	6	On Request
Large Vessel Manoeuvring (Container VsIs 11 k TEUs & Above)	2 days	6	On Request
ME Engine	2 days	4	On Request
TPCH (Container VsIs under 10k TEUs)	2 days	4	On Request
Basic Training for Ships Operating in Polar Waters	6 days	6	On Request
ISTR	5 days	14	On Request
BTM	5 days	8	On Request
Pumpman	6 days	12	On Request
POAC	3 days	3	On Request

- The course will be held subject to meeting the minimum quorum.
- Officers to confirm their attendance to the respective Field Office at least 1 week prior commencement of the course.
- Officers once confirmed for the course shouldn't cancel it except in emergency. Please intimate field office promptly.
- Officers coming for the courses are required to maintain proper dress code (Smart formals with tie).
- 1 Photograph will be required for each course (T-shirt photo not accepted).

For Course Bookings, Please Contact:

Email for all courses:
cto@executiveship.com

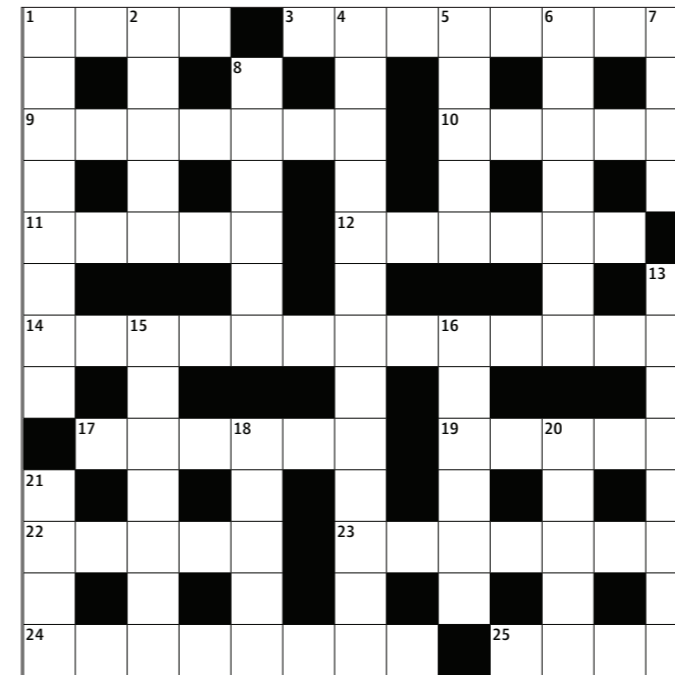
HAPPY BIRTHDAY

CREW BIRTHDAYS

Many Happy Returns to the following on their Birthdays during the month of January 2022!

NAME	BIRTHDAY	VESSEL	NAME	BIRTHDAY	VESSEL
MST MAHENDRA KUMAR AKSHAIVAR	01/01	KAMOME VICTORIA	JO PUNEET JAMWAL	01/01	FRONT SANTIAGO
MST VIKAS SINGH	01/01	EVER GLORY	CE RAJEEV DATTATRAYA KULKARNI	01/01	HOUYOSHI EXPRESS II
MST PRADIPKUMAR VASANTLAL TANDEL	20/01	JAL KAMADHENU	CE AKHILESH PRASAD	20/01	RED MARAUDER
MST SANDEEP SURESH WAZARKAR	16/01	CRIMSON MAJESTY	CE HASAN MOHAMMAD MOZAHIR	16/01	SPRUCE 2
MST VIPIN MAHLAWAT	08/01	REFERENCE POINT	CE DEBASIS PODDAR	01/01	ASTRID
MST CHANDRA BHUSHAN PRASAD	02/01	WILLOWY	CE STEPHEN ANTRO LIVINGSTON ANTONY DASAN	16/01	AFRAMAX RIO
MST AMRIT RANJAN DUNGUNG	02/01	CHEM NICHOLAS	CE SUBHAS KUMAR MONDAL	29/01	AEGEAN WAVE
MST MANUJESHWAR MANKOTIA	17/01	MARLIN AMETHYST	CE ANIL KUMAR	05/01	MANDALA
MST RAHUL KUMAR	18/01	MITERA	CE AVIK GHOSH	01/01	GANGA K
MST MANJIT SINGH	06/01	UACC SILA	CE PARVINDER SINGH	27/01	EVER GLORY
MST KARTIK KOHLI	13/01	AFRA LAUREL	CE DANAPAL SANNASI NADAR	29/01	FS ENDEAVOR
MST KAUSTUBH PRAMOD POTDAR	16/01	PLATYTERA	CE DEEPAK CHAMKAR	14/01	EVER GENIUS
MST AVINASH	08/01	ASTRID	CE BINESH PURUSHOTHAMAN NAIR	01/01	UACC EAGLE
CO PARASNATH RAMNATH YADAV	01/01	UACC RAS TANURA	CE MALAY PRAKASH JOG	21/01	GODAM
CO BINOD KUMAR	01/01	GANGA K	CE RAJKAMAL	08/01	JOSEPH WISDOM
CO ARVIND SINGH	01/10	BERGE KITA	2E PRAVIN DEEPAK LASINKAR	01/01	LAPEROUSE
CO AMANDEEP SINGH	14/01	VELOS AQUARIUS	2E DIBAKAR BEZBARUAH	16/01	MAREX NOA
CO NITISH RATHEESH BABU NAIR	27/01	MOL TRUTH	2E AMIT KUMAR SHRIVASTAVA	05/01	CRIMSON MAJESTY
CO ALOK SINGH	28/01	LAPEROUSE	2E JESHURAN VASANTH PONRAJ	13/01	CARTAGENA
CO RANJITH VALLAMALA	03/01	UACC RAS LAFFAN	2E SANDEEP KUMAR CHAUDHARY	22/01	AFRA LAUREL
CO VIKAS FALSVAL	15/01	SPRUCE 2	2E ARUN SHARMA	03/01	AFRAMAX RIVIERA
CO AJAY RASIKLAL PARMAR	16/01	ALPINE MYSTERY	2E MANMOHAN SINGH RAWAT	06/01	GRAN COUVA
CO TRILOK VAIDHYA	22/01	MANDALA	3E JUBY JOSEPH	28/01	APL NEW JERSEY
CO SHASHI RANJAN SINGH	04/01	REFERENCE POINT	3E ADRIAN CHRISTI MACHADO	22/01	REFERENCE POINT
CO TUSHAR PAL NAIR	21/01	KIKYO	3E ATHUL AREKKARA	08/01	PALANCA CADIZ
20 MANNAN RAZA KHAN	08/01	MITERA	3E JAHIR HUSSAIN MOUTHU KANI	23/01	CHEM NICHOLAS
20 NILABH KUMAR SINGH	09/01	EVER GOLDEN	3E KESHAVARAMAN SHUNMUGARAJ	05/01	THE DIPLOMAT
20 BISWARUP BERA	01/01	EVER FAIR	3E RAHUL RAMAVARMAN	17/01	UACC FALCON
20 BHARADUJ CHAKRAMANATH	11/01	PIONEER BAY	3E ANIL THOMAS	26/01	MAETIGA
20 DANI MATHEW MATHEW	20/01	TOLEDO TRIUMPH	3E JUJO PAUL KIZHAKKAPALLICKAPARAMBIL	22/01	AFRAMAX RIO
20 JISSIN ANTONY	18/01	VELOS AQUARIUS	3E LAKSHYA SHARMA	14/01	SCHWYZ
20 VIKRAMJEET SINGH	09/01	WILLOWY	3E MANDEEP SINGH	19/01	RED RUM
20 VIKAS YADAV	06/01	EVER FAR	3E DILIPAN ELANGOVAN	04/01	EVER GOVERN
20 PIYUSH SHARMA	19/01	LRI AMBASSADOR	4E JAGADISH PRASAD VASUPALLI	26/01	FS DILIGENCE
20 AKHIL PRADEEP	20/01	RED MARAUDER	4E RAJINDER SINGH	10/01	PALANCA CADIZ
20 MADHUKAR JOSHI	25/01	UACC RAS LAFFAN	4E SUKHWANT SINGH	19/01	MAREX NOA
20 RAHUL DINESH GUPTA	20/01	MARLIN AMBER	4E RAJBIR SINGH	05/01	AEGEAN WAVE
30 FREDERIC XAVIER	30/01	EVER GENIUS	4E SAGAR DATTATRAY TARI	24/01	MANDALA
30 SANJEEV KUMAR SINGHMAR	23/01	SILVER	4E VIPIN KAVIRAJ RATNAMANI	12/01	UACC SHAMS
30 BALKRISHNA VERMA	28/01	EVER GOVERN	4E MEGANATHAN MURUGAN	01/01	FRONT SUEZ
30 KUNAL BAWA	05/01	JACQUES	4E VASAV KUMAR REDDY AREPALLY	23/01	ANL GIPPSLAND
30 PRATYUSH UNIYAL	15/01	KOBAL	4E GANGESH MUKUND	28/01	KOBAL
30 ABHISHEK RANA	14/01	LIN MIARAK	4E KIRAN SADANANDA SHETTIGAR	02/01	VLCC STEPHANIE
JO SUKHDEEP SINGH	01/01	PIONEER BAY			

PUZZLES



Across

- 1 Edible powdery starch obtained from certain palms (4)
- 3 Suggested (but not expressly stated) (8)
- 9 Reach a stable state (7)
- 10 Filled bread snack (informal) (5)
- 11 Speedy (5)
- 12 ___ Mantel, Booker Prize winning author, 2009 and 2012 (6)
- 14 Or (13)
- 17 Skivvy (6)
- 19 Yeast and mushrooms, for example (5)
- 22 Piercing (5)
- 23 Motivated (7)
- 24 First part of a three-day equestrian event – reeds sag (anag) (8)
- 25 Hammer-wielding Norse god of thunder (4)

Down

- 1 He has quite exceptional powers (8)
- 2 Take hold (5)
- 4 Delicious-looking – a time-worn thug (anag) (5-8)
- 5 Categorise (5)
- 6 Select group united by common interests (7)
- 7 Playthings (4)
- 8 Bibliophile (6)
- 13 Container for gas stored under pressure (8)
- 15 (Inflict) suffering (7)
- 16 Really (2,4)
- 18 Small amounts of residue (5)
- 20 Of course (informal) (5)
- 21 Round of applause (4)

SUDOKU OBJECTIVE

The objective of the game is to fill all the blank squares in a game with the correct numbers. There are three very simple constraints to follow. In a 9 by 9 square Sudoku game:

- Every row of 9 numbers must include all digits 1 through 9 in any order
- Every column of 9 numbers must include all digits 1 through 9 in any order
- Every 3 by 3 subsection of the 9 by 9 square must include all digits 1 through 9

ANSWERS FOR ISSUE 199



		3		7		8	4		
				4		1		5	8
		1	5						
		8							9
	1					2			
	6	9	3		7	1			
					7			1	4
1	8			2				9	
	2			1	6	5			3

** All answers will be provided next issue.

AWARDS AND ACCOLADES

Executive Incentive Awards for 4th Quarter 2021

VESSEL

Ageean Wave
 Afra Hawthorn (CSM)
 Afra Laurel
 Aframax Rio
 Aframax Riviera
 African Jacana
 Alhani
 Alithini
 Aljalaa
 Alpine Mystery
 Alqadisia
 Arago
 Ariane Makara
 Aristodimos
 Astrid
 Atlantic Canyon
 Atlantic Crown
 Atlantic Eagle
 Atlantic Guard
 Atlantic Prince
 Bougainville
 Cartagena
 Chem Helen
 Chem Nicholas
 Chola Harmony
 Chola Treasure
 Chola Virtue
 City of Tokyo
 Claxton Bay
 Crimson Knight
 Crimson Princess
 E Pioneer (CSM)
 Forbes Park
 Front Santiago
 Front Suez
 FS Diligence
 FS Endeavor
 Ganga K
 Gaz Amaris (ex-Azeri)
 Glorious Kauri
 Godam (ex-Amore)
 Gran Couva
 High Jupiter
 Houyoshi Express II
 Ikan Pandan
 Ikan Parang
 Ikan Pulas
 Jacques
 Jal Kamadhenu
 Janine K (ex-FS Sincerity)
 Joseph Wisdom
 Jubilant Future (BERGE KITA)
 Kamome Victoria
 Kanala
 Kobai
 Laperouse
 LR1 Ambassador
 LR1 Carrier
 LR2 Eternity
 Lubersac
 Maea
 Maetiga
 Mandala (ex-Andro)
 Marex Noa
 Marlin Amber
 Marlin Amethyst
 Marlin Apatite
 Marlin Aquamarine
 Marlin Aventurine
 Marlin Azurite
 Mitera (ex-PEX)
 Navios Southern Star
 New Grace
 New Horizon
 Oaka (ex-Afra Oak)
 Pac Alnath
 Pac Schedar
 Pac Suhail
 Palanca Cadiz
 Palanca Miami
 Pioneer Bay
 Platytera
 Polaris Bay
 Poseidon Bay
 Princess Alexia
 Princess Mary
 Red Eagle
 Red Marauder
 Red Rum
 Reference Point
 Renaud
 Roberto
 Samraa Alkhaleej
 Santos
 Schwyz
 Silver
 Spruce 2
 St. Gertrud
 The Blacksmith
 The Chief (ex-SPORE)
 The Deputy
 The Diplomat
 The Judge (ex-Mapu)
 The Sheriff
 UACC Consensus
 UACC Eagle
 UACC Falcon
 UACC Harmony
 UACC Ras Laffan
 UACC Ras Tanura
 UACC Shams
 UACC Sula
 Velos Aquarius
 Velos Fortuna
 Velos Leo
 Velos Ruby
 Victoire
 VLCC Stephanie
 Willowy
 Yamabuki
 Zarby (CSM)

DECK SIDE

Ravi Kumar
 Ayush Kumar Singh
 Asitraf Auvallodoruge
 Nilkanth Nandlal Tandel
 Hemantkumar Ranjitbhai Tandel
 Pankaj Lalchand Raj
 Kotta Vathukkal Liju
 Awanish Kumar Singh
 John Stanley David Albert
 Thakoribhai Kalyanbhai Tandel
 Kulwant Chandel
 Ricky James Gutierrez Salud
 Pramod Kumar
 Pramod Kumar Saini
 Mohamed Hanif Ahmed Solkar
 Jeetendra Kumar
 Sourav Nani Gopal Ray
 Rajkumar Pappu
 Vikas Boora
 Elimar Jorca Arguelles
 Julius Ayap Catam Isan
 Merbin Syles
 Shobhranj Shashikant Bhangale
 Prashantkumar Jasmatbhai Tandel
 Gaurav Kumar Rawat
 Jagbir Singh
 Subham Roy
 Satyam Upadhyay
 Deepak Kumar
 Praveen Korukonda
 Jose Johnson Advincula Galvan
 Nisagra Nandkumar Naik
 Amanveer Singh
 Paparao Baipalli
 Priteshkumar Dahyabhai Tandel
 Prakashkumar Ballubhai Tandel
 Jerom Xavier
 Sushil Kumar
 Sandeep Kumar
 Vigneshwaran Sugunesan
 Rajesh Kumar Maganlal Tandel
 Pradeep Kumar
 Mohammad Ali Abdul Razak
 Yonas Kennedy
 Mohan Raj Balu
 Tejaskumar Haribhai Tandel
 Milton Dhirajbhai Tandel
 Aashay Kumar Sudhanna Adhikari
 Hitendra Singh
 Virenkumar Rameshbhai Tandel
 Roderick Nino Merin Pucan
 Nareshkumar Vitthalbhai Tandel
 Dharmeshkumar Babubhai Tandel
 Mayurkumar Natverbhai Navik
 Manoj Kumar
 Sunil Kumar Birua
 Mukesh Kumar
 Ronikkumar Govindbhai Tandel
 Anilkumar Dahyabhai Tandel
 Korlayya Tule
 Fidarwio Manlangit Estrada
 Thomas Bules Anbu
 Prashantkumar Bhagvanbhai Tandel
 Vikas Chandrakant Gurav
 Uday Singh
 Devanand Kumar
 Issac Scaria
 Avinash Kumar
 Anand Kumar Upadhyay
 Navneet Kumar
 Sanjaykumar Chimanbhai Patel
 Paul Danielle Espino Servilla
 Mark Angelo Salvador Timbang
 Arnel Tuñacao Octubre
 Anilbhai Ranchhodbhai Tandel
 -
 Niyaz Ahamad
 Joemey Mahilium Sua
 Pradeep Dangwal
 Santosh Peter Kama
 Bhulesh Kumar Jerambhai Tandel
 Dineshkumar Bijal Baria
 Narendrakumar Ishwarbhai Tandel
 Perumal Subramaniam
 Sudarsan Pattanaik
 Navinchandra Amratlal Solanki
 Rajeev Ranjan Singh
 Kantilal Pancha Chundriya
 Prabhakar Brahma
 Lince Panikkar
 Abhishek Kumar Singh
 Kundan Singh
 Rahul Kantilal Solanki
 Arun Kumar Govindaraj
 Shaji Kumar Damodharan
 Wilson Milroy Vaid
 Antony Michael Jesuraja Michael Joseph Reni
 Rienbran Adanza Sososco
 Dinesh Singh Yadav
 Denishkumar Dolatbhai Tandel
 Harshad Narendra Jadhav
 Nevendran Nevis
 Man Singh Patel
 Santosh Singh
 Concious Lobo Joseph Antony
 Raj Kumar Pandey
 Divyeshkumar Bhimji Solanki
 Girishkumar Ganpatbhai Khalasi
 Manishkumar Amrutlal Tandel
 Jitendrakumar Chhanabhai Tandel
 -
 Abdul Hasim Hidayath Andunhi
 Dhruvesh Dahyabhai Tandel
 Irene Lawagao Tejano
 Umesh Kumar Singh
 Richard Labandero Oquia
 Pareshkumar Balubhai Tandel
 Minhaj Vazirahmad
 Naresh Kaushik
 Lakshman Kumar Yadav
 Ganagalla Rambabu

ENGINE SIDE

Dharm Deo Chauhan
 Rajnish Kumar
 Dayanand Chauhan
 Rameshwar Prajapati
 Yogeshkumar Jiva Bariya
 Indu Bhushan Singh
 Shashi Kant Mishra
 Amit Kumar
 Abhishek Kushwaha
 Pramod Kumar Yadav
 Dineshkumar Govindbhai Patel
 Allein Mendoza Pagobo
 Randhir Singh
 Sohan Lal
 Sanket Sharaschandra Kadam
 Manoj Kumar Krishnaprasad Gupta
 Georgen Cleetus
 Rahul Kumar Singh
 -
 Noel Espejo Navarra
 Reynaldo Mondido Napata
 Milankumar Vitthalbhai Tandel
 Arjo Pathalil Joseph
 Arvind Mala Rathod
 -
 Abhay Kumar Gupta
 Sumit Kumar Rai
 Vivek Chawarasiya
 Nikhil Navnath Bhor
 Sachin Yadav
 Jeffe Espino Gregorio
 Rajnath Yadav
 Vijay Yadav
 Deepak Singh
 Siraj Salauddin Shaikh
 Jayanta Dey
 Suheil Akhtar
 Dhiraj Amarjeet Pasi
 Mahendrakumar Bhagwanji Tandel
 Jamish Richards
 Hemantkumar Budhabhai Tandel
 Chirayu Pradeep Baraiya
 Bhautik Rameshbhai Tandel
 -
 Amar Hanmant Raut
 Pushparaj Pandurang Maingan
 Muhammad Razi Ahmad
 Mohammed Shakir
 Hanshbhai Parbhubhai Tandel
 Newton Fernando Antony Santiago Luis
 Pawan Kumar Kushwaha
 Francon Corod Dela Cruz
 Naveen Kumar
 Suresh Chandrabhan Maurya
 Mustafa Moimuddin Talgharkar
 Vishal Dhirubhai Tandel
 Dipankar Banerjee
 Arumugasamy Muthumanickam
 Amitesh Amit
 Bhim Prasad Gupta
 Soora Keshav Bhannara Purayil
 Jhonnie Dequema Agsoy
 Naveen Panghal
 Mahendrakumar Damodar Tandel
 Kailasa Rao Yerupalli
 Amit Kumar
 Shramik Ushakumar Shetty
 Sandilkumar Mahendrabhai Solanki
 Ishwarbhai Naginbhai Tandel
 Avnish Kumar Gyan Chauhan
 Sumer Singh
 Amit Kumar Maurya
 Jan Kenneth Santos Dela Cruz
 Guillier Dela Cruz Franco
 Elvis Lauranilla Puerto
 Gyan Baban Chauhan
 Ram Kailash Bind
 Sandesh Phadale
 Nathaniel Jr Acquiattan Sacala
 Lалу Ram Yadav
 Jaymin Natvarial Patel
 Ajay Kumar Mohanty
 Mritunjay Kumar
 Sharafat Ahmad Bodale
 Anil Chauhan
 Tulsidas Ramji Bariya
 Ajay Kumar Yadav
 Virchand Raghav Solanki
 Santosh Kumar Yadav
 Anil Kumar Dubey
 Koteswara Rao Jogi
 Jose Kallely Ouseph
 Sanal Thippilikatte Kozhikodenvettil
 Karthick Jeganathan
 Rajeshkumar Vallabhbhai Tandel
 Taimoy Basu
 Amit Kumar Yadav
 Nimeshkumar Ramniklal Solanki
 Jerom Refina Derain
 Brijesh Kumar Pandey
 Eswara Rao Sivakoti
 Mantosh Sharma
 Ajay Pandey
 Shivram Krishnan
 Hitendra Virchand Bariya
 Jaykumar Ratilal Tandel
 Joshyal Chakkikavil
 Rajkumar Lalchand Patel
 Arvind Deva Chauhan
 Santosh Jayasawal
 Arvind Govind Tank
 Soumen Chakraborty
 Deepak Manohar Haldankar
 John Ian Josico Indico
 Seth Flor Ompad
 Priyankumar Hansraj Tandel
 Jayram Armamento Anyayahan
 Naveen Komara
 Ketankumar Jagjivanbhai Tandel
 Murali Konda
 Srinivasa Rao Sampangi
 Surendra Singh

Executive Incentive Awards for Catering Crew: Best Cooks across the fleet

- | | |
|--------------------------------|----------------------------|
| 1. Venkatayya Lachmayya Naik | Kanala |
| 2. Raju Mann | LR2 Eternity |
| 3. Dev Dutt | Red Marauder |
| 4. Lyn John Silvano Dela Torre | New Grace |
| 5. Rajesh Kumar | Jal Kamadhenu |
| 6. Debaprasad Dolai | The Chief (ex-SPORE) |
| 7. Mark Ryan Dequino Dionio | Velos Fortuna |
| 8. Shiv Singh Rawat | Janine K (ex-FS Sincerity) |
| 9. Subhash Chandra Patel | Kobai |
| 10. Sudhakar Singh | Jacques |

Executive Incentive Awards for Catering Crew: Best General Stewards across the fleet

- | | |
|----------------------------------|----------------------|
| 1. Rohit Sharma | Berge Kita |
| 2. Dev Prabhakar Singh | UACC Ras Tanura |
| 3. Sandeeya Tai | Victoire |
| 4. Avijit Maity | Aristodimos |
| 5. Shaileshkumar Dolatrai Tandel | Chem Helen |
| 6. Ashokan Kizhakkey Valap | Chem Nicholas |
| 7. Lakshmi Narayana Badi | Atlantic Prince |
| 8. Sandip Biswas | Godam |
| 9. Ashvinkumar Manubhai Chauhan | Kobai |
| 10. Joseph De San Juan Nazareth | Navios Southern Star |



WINNING RECIPES



Chief Cook
 Venktayya Lachmayya Naik
 MT Kanala

ROASTED LOBSTER



Ingredients

- Lobster - 2 large pieces
- Olive Oil - 1 tablespoon
- Butter - 1 tablespoon
- Chopped Garlic - 4 cloves
- Chopped Ginger - 1 teaspoon
- Green Chilli - 3pcs (Chopped)

• Salt - To taste

- Lemon - 1pc for garnish
- Onion - 1pc for garnish
- Red Pepper - 1pc for garnish
- Tomato - 1pc for garnish
- Lettuce - 1pc for garnish

Method

- Clean lobster stomach, wash it well.
- Prepare the stuffing by mixing chopped green chili, garlic, ginger, olive oil, butter and salt to taste in a bowl.
- Fill the stuffing in the stomach of the lobster.
- Keep it in the refrigerator to marinate for 15 minutes
- Heat oven for 15 minutes and then roast the lobster for next 15 minutes.
- Take it out, the lobster dish is ready now we will prepare for garnishing.

Preparation For Garnishing

- Put some lettuce leaves on a plate.
- Put the lobster on it.
- Cut one tomato into a flower, slices of lemon, onion into rings and red pepper bell in jillion cutting.
- Decorate the dish well and serve it hot.



Chief Cook
 Raju Mann
 LR2 Eternity

ROAST CHICKEN FRIED RICE



Ingredients

- Rice - 300gm
- Chicken pcs (boneless) - 200gm
- Eggs - 4
- Black Pepper powder - 1 1/2 tsp
- Kasmiri red chilli powder - 1 1/2 tsp
- Ghee - 2 Teaspoon
- Salt to taste
- Spring onion - 1/2 bowl (For garnish)

Method

- Soak the rice for 2 hours in water, then take out the rice.
- Fry the chicken in oil and remove once cooked.
- Make a plain egg crumble using the 4 eggs.
- Add 2 teaspoons of ghee to a pan and let the oil get hot.
- Add the egg crumble and chicken pieces and stir for a minute.
- Then add Kasmiri red chilli powder, Black pepper powder and salt according to taste and mix it.
- Add rice in and mix it for a minute.
- Put 700 ml warm water in the pan and place it in oven for 25 minutes at 180C.
- After 25 minutes take out the roast chicken fried rice and garnish it with chopped spring onions.



Chief Cook
 Lyn John Dela Torre
 New Grace

GRILLED SHRIMP WITH SQUID AND VEGETABLE SALAD



Ingredients

- Shrimp - 4 pieces
- Broccoli - 1 piece
- Tomato - 1 piece
- Onion - 1 piece
- Parsley - 1 stalk
- Mint Leaves - 1 stalk
- Salt - to taste
- Squid - 1 piece
- Lemon - 1 piece

Method

- Add salt and pepper into the shrimp for taste. Wrap it into an aluminum foil and grill.
- Steam broccoli for five minutes in a steamer, drain it into strainer.
- For the salad, chop the tomato, parsley, mint leaves, lemon, onion, pepper, and the squid. Put it on the mixing bowl and add lemon, salt and pepper to taste.
- Serve on a round plate.

SIMS retains A1 in audit by DG Shipping

SIMS Mumbai and Lonavala retained the highest grade of A1 in the Comprehensive Inspection Programme (CIP) audit conducted by the Directorate General of Shipping, Government of India in December for its post and pre sea campuses.

Both campuses previously received A1 in the last audit conducted in 2019 which was also the first time where in SIMS Mumbai underwent the audit. SIMS has continually received A1 in the DG Shipping audit since its first ever audit conducted for its Lonavala campus in 2014. Scores show a continual improvement from previous scores. Owing to the pandemic, the audit for 2020 could not be conducted.

The CIP audit is an effective grading mechanism for Maritime Training Institutes in India under the aegis of Directorate General of Shipping, Government of India annually. Accredited bodies, Class NK represented D G Shipping at the Mumbai campus and Class DNV for the Lonavala campus. The audit checked the effective implementation of all DG Shipping orders and circulars related to maritime training as well as the Quality System, Infrastructure, faculty, course content, courses conducted during the year, feedback and other resources.

The audit for SIMS Mumbai was conducted between 2nd – 3rd December and from 6th to 8th December 2021 for SIMS Lonavala. The highest grade obtained in the CIP audits conducted by two different and distinguished classes reinforce the stellar standards of maritime education for pre-sea and post-sea courses set at SIMS. Our heartiest congratulations to the team at SIMS for this continued, significant industry recognition.

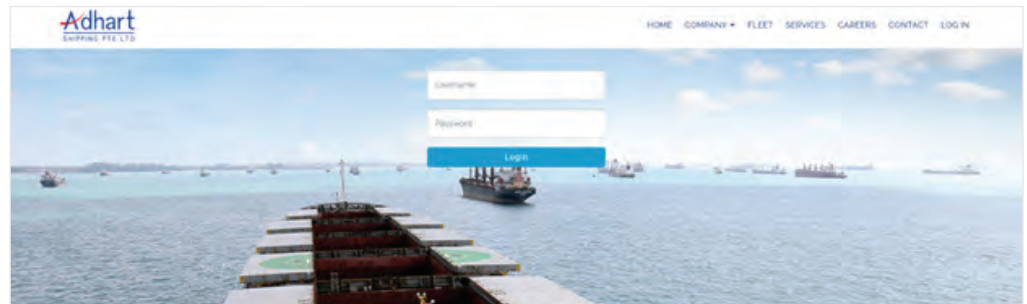
Integrated management system 'Phoenix' adds chartering module

A new chartering module has been on the in-house fleet management system Phoenix for Adhart Shipping, the commercial arm of Executive Group of Companies.

The Dashboard was officially launched in June 2021 this year. Developed in collaboration with the South Nest Software Services, commercial modules such as pre-voyage calculation, performance report, bunker management, invoice generator and various analytical reports. Additionally, it includes an interface to fetch required data

such as technical data, noon report, etc. The vision behind the dashboard is to use digital innovation for efficient commercial management of Vessels and eventually move to a seamless, efficient, and environmentally friendly process.

Future plans entail improvements and further development for the chartering module. Only authorised users have access to the dashboard at present.



ESM NEW TAKEOVER & DELIVERY

Three new vessels join ESM fleet

Bulk carrier Lin Miarak, oil tanker, Marlin Ammolite and container vessel Ever Fond joined the ESM fleet in November and December 2021 respectively.

Lin Miarak and Ever Fond were delivered successfully for ESM's crew management expertise, on 18th November 2021 and 22nd December 2021 respectively.

Marlin Ammolite was successfully taken over on 29th November 2021 while she lay safely afloat at Cristobal, Panama. Master Radhakrishnan Chettiyar Chellappan Chettiyar, CO Gagan Deep Bhullar, CE Narayana Rao Kanuri, and 2E Kumaresan Krishnan are presently leading Lin Miarak.

Ever Fond is steered by Master Ivo Kenneth Dsouza, CO Nikhil Pandurang Pai, CE Manivannan Kasinathan, and 2E Venkata Kesava Babu Yakasiri.

Marlin Ammolite is helmed by Master Sudip Mukherjee, CO Shikhar Singh, CE Murugan Sivaraman and 2E Harikrishnan Gopalkrishnan.

Our heartiest congratulations to the crew for their safe and efficient takeover. Wishing all onboard fair winds and following seas ahead.



Joke of the month

How did the barber win the race?

He knew a shortcut.

