The 2017 SMART4SEA Conference & Awards event, held on 30 March 2017 in Athens, Greece, attracted 460 delegates from 15 countries representing a total of 240 organisations. Smart4SEA reports presented over 30 shipping challenges and international solutions for tackling industry difficulties. Speaking presentations were focused on the importance of discussing shipping's role in the oceans, as well as cyber security, sustainability, and new technology applications. The annual presentation of the SMART4SEA Awards took place at the closing of the forum within the scope of creating industry partnerships and associations which would allow them to tackle their sustainability, innovation and technology activities.

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this category were AIS Nautical Systems, Douwe, Naphthen and Spectec.

2017 SMARTSHIP Conference
Mr Billion, Editor and Managing Director of SAFETY4SEA, opened the forum by welcoming speakers and delegates and out-

linking the objectives of the event towards fostering safety and sus-

tainable shipping. Presentations were given in four parts and

ended with a round table dis-

cussion and exchange with the audience.

PANEL 1
Smart Shipping Promotions
Apostolos Beliskas, Founder & Managing Editor of SAFETY4SEA, presented the results of the "The Smart Shipping Survey" which revealed that 72% of respondents were in favor of investing new technologies & software, energy management & emission monitoring, e-naviga-

tion and ECDIS are the major smart challenges that the indus-

try has to face with. Mr. Beliskas argued that these are not for the

shipowners build other awareness

momentum to move beyond, for-

getting autonomous shipping, the major barrier that the

majority of the participants believe that it will become a reality for the industry by 2025. Mr. Beliskas

considered that two years ago, many would have agreed that industry is far away from this vision and highlighted that autonomous shipping is now coming and it is a mobile store.

Drew Bradely, Senior Vice Pre-

sident, Maritime Strategies, Inmarsat Maritime, gave a presentation on "Reframing a new world of smarter connected shipping." He noted that, in recent years, the possibility of a truly connected ship and seamless real-time integration with shore-based operations is no longer just concept, but a reality.

He therefore explained how con-

nectivity is at the core of digital transformation and how the industry is embracing a new

world of safer, smarter, greener and more efficient shipping.

Giampaolo Brischi, Director, ValuMarine Division, shared his concerns on "The present and future of Fire management Systems." He explained that cur-

rently the idea of coexisting systems has become a serious one. As a

legible topic, with large companies and Classification Societies looking deeply andetically into it.

On the other hand, technology is moving fast and is now causing a dilemma for many within the world of shipping, compared to other sectors in the maritime sector. However, there are still so many companies reluctant to embrace technology or they show


99.9%

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For your part and the third is simply open and exposed and misunderstood, Mr. Coles argued to rethink the whole concept of ship operations by leveraging other industries, adopting some traditional concepts and accepting challenges of change. He further discussed the current state of the risks, requirements for innovations and suggested a new system that will enable shipping in the future.

David Hughes, Chief Technology Officer, Transas Group, presented the current “Cyber Security Trends” noting that the area has been changing over the years, but it is not considered an IT Security, or as some just say it's a form of a firewall. Whatever it's called, the subject has intensified. Now with everyone access to the internet and social media, propagation of information and control systems can be passed around with great ease. A firewall is no longer the solution. In his presentation, Mr. Hughes covered the activity of cyber security for the past 33 months, and investigated how this has affected the maritime world.

Jason Whittaker, Communications Officer, Cyber Aware at Sea Campaign, gave a presentation entitled “To Secure the New Frontier”, where he highlighted the importance of humans in cyber security. Mr. Whittaker explained the security challenges and threats that cyber can bring to shipping companies. He emphasized the need for awareness and education among seafarers. The Cyber Aware at Sea campaign aims to raise awareness about the latest cyber threats and to encourage seafarers to take proactive measures to protect their vessels.

Panel 2: Smart Perspectives

Phil Coles, COO, Transas, provided insight into “The Smart Connected Ship: Big Data and Cybersecurity: Insights into Shipping.” Mr. Coles pointed out that with the current state of ship operations and automation, and even more so in the context of security, the data generated by big data is crucial. He highlighted the importance of data analysis and the need for real-time monitoring to ensure the safety and efficiency of maritime operations. The role of big data in enhancing decision-making and improving operational efficiency was emphasized.

Lars Lagerqvist, Regional Manager, European, Rolls-Royce, presented “The Future of Cybersecurity: A Mediterranean Perspective.” He discussed the challenges faced by the Mediterranean region in terms of cybersecurity and the need for a comprehensive approach to address these issues. Mr. Lagerqvist emphasized the importance of collaboration among stakeholders, including governments, industries, and academia, to ensure the development of robust cybersecurity solutions. He also highlighted the need for continuous education and training for seafarers to stay updated with the latest threats and countermeasures.
FEATURE

navigating across the ocean becomes more challenging for sea caravans, this situation is exacerbating the need for a more efficient and safe navigation system.

Panel 4: Speed Efficiency

Vladimir Konst, Managing Director of Reef Performance, believes that the current market is dominated by a few players. He emphasizes the importance of developing new technologies that will make the industry more efficient.

Fleet Performance Management

Fleet Performance Management (FPM) by providing a complete solution to the maritime industry.

Dr. Nikolaos Economou, Executive Director of the Maritime Information and Communication Technology (M-ICT) project, said that the project aims to improve the efficiency and safety of maritime operations.

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Only 37% companies are prepared for cyber threats

The 2023 Global Preparedness Report, released by DNV GL, Somalia and the UN Global Compact, reveals that many companies are not prepared or even unaware of the cyber risks they face. Only 57% of the organizations have a cyber incident response plan in place. The report suggests the following

1. Behavioral biometrics and analytics
2. Security operations centers
3. Artificial intelligence
4. Cybersecurity education and training
5. Cyber insurance

Sea service records go online

The Danish Maritime Authority has, as of January 2023, removed the mandatory reporting of the gathering and off for Danish ships, providing a new digital solution. Now, it is fast and easy for the merchant to type in their service history before applying for certification. They can, in short, see whether they have sufficient service time to have their certificates renewed, keep track of their service history and get digital access to their data.

New industry data platform launched

DNV GL launched a new industry data platform designed to help companies improve data quality and manage the ownership, security, sharing and use of data. By making strengthens connections between data owners and users, the platform aims to create new opportunities for improving ship performance and safety, while at the same time reducing operational costs. Bruce Brill, President and CEO of DNV GL, said: “The potential for using data more extensively in our industry is enormous. Companies have all been looking to own data, but rather than hoarding it or even data, it is safer, more comprehensive and...”

bullet POINTS

- IHI chooses NAPA Steel
- MHI says to implement NAPA Steel's 3D model-based ship structural design tool for paradigm shift in ship design.
- Contract for drone inspection
- Nipponvikets awarded a 3-year contract to inspect the vessels via drones. The contract is said to represent a significant shift in the oil and gas market.
- Toteocean Group vessels commit to Fleet Xpress
- Satcom will bring more than 1,500 vessels to the Fleet Xpress service over a five-year period.
- Furuno delivers 55 STM systems
- Furuos will provide 43 ships with STM satellite systems for marine optimization, enhanced monitoring, and anti-counterfeit, 118 accurately.
- Next generation technology
- For Global Xpress
- Inmarsat, in partnership with Wirecard, achieved a record number of marine data services of 510 users in the first three months of operation.
- New software launched
- Marine software development company SCS is launching a new cloud-based platform for the marine industry.
- New online shipping platform available
- Source: Naval Architect
- Nexis taught the UK's Inmarsat
- A platform that combines the existing IMCS and cloud infrastructure with the web.
- New digital cooperation
- CMA CGM and ALBAN BANCOR are using the ready-made NAS platform on December 22, 2018, with the aim of providing fully digital customer interaction.