

# smea





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# JSMEA signs MoU with MARINA

Japan Ship Machinery and Equipment Association (JSMEA) signed a memorandum of understanding (MoU) with the Maritime Industry Authority (MARINA) of the Philippines on June 18, 2019.

The signing ceremony was held on Day 1 of PHILMARINE 2019, a maritime exhibition organized in Manila on June 18-20. The agreement was reached between Mr. Shinzo Yamada, chairman of JSMEA, and Vice Admiral Narciso A. Vingson, Jr., OIC-administrator of MARINA.

At the ceremony, Mr. Yamada pointed out that the Japanese ship machinery and equipment industry, which sees Southeast Asia as an important market, had so far presented two seminars in the Philippines to promote Japanese ship machinery and equipment products. The industry would like to contribute to helping the Filipino maritime industry grow further by actively providing information on environmental and digital technologies, he added.

Vice Admiral Vingson replied that it is necessary for the Filipino maritime industry to continue to develop, as it plays a vital role in the domestic economy. To this end, he continued, the Philippines will implement a variety of policies to modernize ferries and other vessels and develop its shipbuilding and ship repairing industries, for example. He said he hoped the conclusion of the

MoU would encourage the Japanese ship machinery and equipment industry to contribute further to the development of the Filipino maritime industry by providing support in various ways.

The MoU signed between JSMEA and MARINA suggests the partners (1) exchange information on up-to-date trends in and technologies of the maritime industries of both nations, (2) promote interchanges between their members and (3) regularly visit each other to exchange information and promote personal interchanges to develop stronger ties between them.

JSMEA is determined to actively interact with people from MARINA and others from the Filipino maritime industry in years to come, taking advantage of the MoU that it signed with MARINA in June and those that it concluded in March with the Filipino Shipowners Association (FSA), the Philippine Interisland Shipping Association (PISA) and the Philippine Petroleum Sea Transport Association (PHILPESTA).

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Marintec China 2019 ...... 24





Mr. Yamada (left) shakes hands with VADM Vingson (right)



# **JSMEA reunites with CAJS at Sea Asia 2019**

Japan Ship Machinery and Equipment Association (JSMEA) teamed up with The Cooperative Association of Japan Shipbuilders (CAJS) at Sea Asia 2019, held on April 9-11, 2019 at Marina Bay Sands in Singapore. Financially supported by The Nippon Foundation, the partners worked hand in hand again as they did at the previous Sea Asia event. They were also joined by Nippon Kaiji Kyokai (ClassNK) to run the Japan Pavilion.

The seventh Sea Asia exhibition is estimated to have accommodated 435 exhibitors at 13 national pavilions and welcomed some 15,000 visitors, according to preliminary figures released by the organizer.

On Day 1, a ribbon-cutting ceremony was performed for the opening of the Japan Pavilion by Mr. Shinzo Yamada, chairman of JSMEA; Mr. Toru Higashi, president of the CAJS and Mr. Junichiro lida, senior executive vicepresident of ClassNK together with Mr. Jun Yamazaki, ambassador of Japan to Singapore and Ms. Junko Ishii, managing director of the Japan External Trade Organization (JETRO) Singapore. Mr. Yamazaki and Ms.

Ishii viewed exhibitions at the pavilion after the ceremony and listened intently to briefings on products and other information given by exhibitors.

The Japan Pavilion warmly welcomed Dr. Janil Puthucheary, senior minister of state at the ministries of Transport (MOT) and Communications and Information (MCI), and Mr. Esben Poulsson, president of the Singapore Shipping Association (SSA). For these Sea Asia VIP guests, Mr. Yamada and Mr. Higashi outlined the exhibitions at the Japan Pavilion.

On Day 2, JSMEA co-organized a seminar-which was also financially supported by The Nippon Foundationwith the CAJS on the third floor of the Sea Japan venue, at the Sands Expo and Convention Center. Four shipbuilders and 16 ship machinery and equipment makers from Japan unveiled their latest technologies and products, including plans to enhance safety by saving energy and using IT, at the seminar. The seminar and reception that followed welcomed more than 100 individuals from the maritime sectors in Southeast Asia and from the Japan Pavilion

Many of the Japan Pavilion members said that Singapore remains an important market as always, judging from the fact that Sea Asia 2019 was a meaningful event that allowed them to meet with their targeted visitors.

who were seen actively interacting and exchanging

#### **About Sea Asia 2019**

(1) Dates: April 9-11, 2019

information with one another.

(2) Venue: Sands Expo and Convention Center

**About Japan Pavilion** 

(1) Total area: 216 square meters (booth Nos. B2-S01

and B2-T01)

(2) Exhibitors: 19 members from JSMEA, 13 from the CAJS and ClassNK

19 JSMEA exhibitors

Those giving exhibitions: Daihatsu Diesel Mfg. Co., Ltd.; Fujikura Composites Inc.; Fujitsu Ltd.; JRCS Mfg. Co., Ltd.; MOL Techno-Trade, Ltd.; Nakashima Propeller Co., Ltd.; Naniwa Pump Mfg. Co., Ltd.; Naroc Rope Mfg. Co., Ltd.; and Yanmar Co., Ltd.

Those displaying panels: Akasaka Diesels Ltd.; Chugoku Marine Paints, Ltd.; Fuji Electric Co., Ltd.; Nitto Chemical Industry Co., Ltd.; Taiko Kikai Industries Co., Ltd.; and Volcano Co., Ltd.

Those distributing catalogs: Eco Marine Power Co., Ltd.; The Hanshin Diesel Works, Ltd.; Taiyo Electric Co.,

Ltd; and Teikoku Machinery Works, Ltd.

\*Nabtesco Corporation and Nippon Paint Marine Coatings Co., Ltd. only attended the seminar described below. 13 CAJS exhibitors

Those displaying panels: Higaki Shipbuilding Co., Ltd.; Kitanihon Shipbuilding Co., Ltd.; Kyokuyo Shipyard Corporation; Miura Shipbuilding Co., Ltd.; and Murakami Hide Shipbuilding Co., Ltd.

Those distributing catalogs: Fukuoka Shipbuilding Co., Ltd.; Imura Zosen Co., Ltd.; Kanagawa Dockyard Co., Ltd.; Kanrei Shipbuilding Co., Ltd.; Keihin Dock Co., Ltd.; Koa Sangyo Co., Ltd.; and Kumamoto Dock Co., Ltd. About shipbuilding/ship machinery & equipment seminar

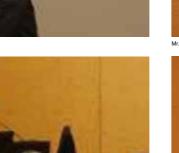
(1) Time and date: 11:00-19:00, April 10, 2019

(2) Venue: Third floor, Sands Expo and Convention

(3) Presenters: 16 from JSMEA and four from the CAJS 16 JSMEA presenters: Akasaka Diesels, Chugoku Marine Paints, Daihatsu Diesel Mfg., Eco Marine Power, Fuji Electric, Fujitsu, The Hanshin Diesel Works, MOL Techno-Trade, Nabtesco, Nakashima Propeller, Naniwa Pump Mfg., Nippon Marine Paint Coatings, Taiko Kikai Industries, Volcano and Yanmar

4 CAJS presenters: Kitanihon Shipbuilding, Kyokuyo Shipyard, Miura Shipbuilding and Murakami Hide Shipbuilding















VIP quests visit Japan Pavilion



Japan Pavilion seminar, reception at Sea Asia





Jsmea News No. 118

Japan Pavilior



Theme Zone

**Entrance** 

West Hall 1

**SEA JAPAN 2020** 

11-13 MARCH 2020 **Tokyo BIG SIGHT Exhibition Center, West Hall, Tokyo, JAPAN** 

Japan Ship Machinery and Equipment Association (JSMEA) joins Sea Japan as Japan Pavilion, supported by the Nippon Foundation and consists of Japanese Maritime Cluster and JSMEA members.

Japan pavilion introduces cuttingedge technology, products, and service of Japanese Maritime Cluster and JSMEA members.

For more information, please visit the following URL: www.seajapan.ne.jp

Members Zone Exhibitor JPN-51 JPN-60 Azbil Corporation JPN-14 BEMAC Corporation JPN-64 JPN-53 Daihatsu Diesel Mfg. Co., Ltd. JPN-36 Daikin MR Engineering Co., Ltd JPN-50 Fuii Electric Co., Ltd. Fuii Trading Co., Ltd. JPN-28 Geislinger K.K. JPN-20 Hien Electric Industries, Ltd. .IPN-12 Hisaka Works, Ltd Hitachi Nico Transmission Co., Ltd JPN-09 JPN-13 IHI Power Systems Co., Ltd. Ibuki Kogyo Co., Itd JPN-29 JFE Engineering Corporation JRCS Mfg. Co., Itd JPN-18 JPN-15 Japan Engine Corporat Japan Radio Co., Ltd JPN-68 Japan Weather Association KEI System Co., Ltd JPN-10 JPN-52 Kamome Propeller Co., Ltd JPN- 31 Kanagawa kiki Kogyo Co., Ltd JPN-22 Kawasaki Heavy Industries, Ltd Kay Seven Co., Ltd JPN-52 JPN-39 Kokosha Co., Ltd Kosaka Laboratory Ltd. JPN-26 Kurita Water Industries Ltd JPN-19 Kyokuyo Electric Co., Ltd JPN-49 JPN-40 Maritime Reporter and Engineering News Mitsubishi Heavy Industries Marine Machinery & Equipment Co., Ltd. JPN-65 Mitsubishi Kakoki Kaisha, Ltd JPN-05 Mizuno Marine Co., Ltd Mitsumoto Valve Mfg. Co., Ltd

West Hall 2

Entrance

Booth No	Company Name						
JPN-03	Murayama Denki Ltd.						
JPN-16	Musasino Co., Ltd						
JPN-55	N.Y. Co., Ltd.						
JPN-17	NYK Trading Corporation						
JPN-57	Nabtesco Corporation						
JPN-47	Nakashima Propeller Co., Ltd						
JPN-32	Naniwa Pump Mfg. Co., Ltd.						
JPN-33	Nippon Hakuyo Electronics, Ltd						
JPN-07	Nishishiba Electric Co., Ltd.						
JPN-01	Okumura Engineering Corporation						
JPN-12	Sasakura Engineering Co., Ltd.						
JPN-24	Satake Corporation						
JPN-44	Sekigahara Seisakusho Ltd						
JPN-25	Shimada & Co., Ltd						
JPN-54	Shinko Ind. Ltd.						
JPN-56	Shonan Co., Ltd.						
JPN-21	Suction Gas Engine Mfg. Co., Ltd.						
JPN-35	Sunflame Co., Ltd.						
JPN-46	Taiko Kikai Industries Co., Ltd.						
JPN-59	Taiyo Electric Co., Ltd.						
JPN-69	Tanabe Pneumatic Machinery Co., Ltd.						
JPN-30	Teikoku Machinery Works, Ltd.						
JPN-67	Techno Kashiwa Corporation						
JPN-62	Terasaki Electric Co., Ltd						
JPN-23	Tokyo Keiki Inc.						
JPN-02	Tokyo Nisshin Jabara Co., Ltd.						
JPN-34	Ushio Reinetsu Co., Ltd.						
JPN-42	Utsuki Keiki Co., Ltd.						
JPN-43	Volcano Co., Ltd.						
JPN-37	Wakefield Corporation						
JPN-41	Woods Corporation						
JPN-66	Yamashina Seiki Co., Ltd						
JPN-27	Yamato Metal Co., Ltd.						
JPN-63	Yanmar Co., Ltd.						
JPN-11	Yokogawa Electric Corporation						
JPN-61	Yokogawa Denshikiki Co., Ltd.						

#### West Hall 1 West Hall 2 JPN-01 JPN-06 JPN-12 JPN-10 JPN-13 JPN-14 JPN-23 JPN-15 JPN-16 JPN-18 JPN-19 JPN-22 JPN-24 JPN-04 JPN-09 JPN-11 JPN-17 JPN-20 JPN-25 JPN-07 JPN-0 JPN-46 JPN-48 JPN-49 JPN-53 IPN-54 JPN-60 JPN-62 JPN-26 JPN-28 JPN-29 JPN-34 JPN-35 JPN-56 .IPN-44 JPN-33 JPN-50 JPN-51 JPN-57 JPN-5 JPN-63 JPN-47 JPN-27 JPN-59 JPN-61 PN-41 JPN-64 JPN-65 West Hall 1

# **JSMEA attends Nor-Shipping 2019**

Japan Ship Machinery and Equipment Association (JSMEA) had a strong presence at Nor-Shipping 2019, which was held outside Oslo, Norway on June 4-7, 2019. With financial support from The Nippon Foundation, it manned the Japanese Pavilion together with the Japan Ship Exporters' Association (JSEA). Thirteen member companies were represented at the exhibition on behalf of JSMEA, which was led by a delegation of Mr. Shinzo Yamada, chairman; Mr. Masaharu Ono, vice-chairman (concurrently chairman of the association's Global Business Strategy Review Board); Mr. Shigeki Kinoshita, vice-chairman; and Mr. Katsuhiko Fujiwara, vice-chairman.

It was the 28th Nor-Shipping exhibition, which has firmly established itself as one of the world's top maritime exhibitions, attracting many ship owners not only from Norway but from other European nations as well. The official number of visitors is yet to be announced by the organizer, but many indicated that it was better attended than the last time, when some 15,500 visitors were welcomed.

In opening the Japan Pavilion on Day 1, Mr. Yamada had the honor of performing the ribboncutting ceremony, joined by Mr. Masahiro Tauchi, Japan's ambassador to Norway; Mr. Yasuhiro Shinohara, vice-minister for international affairs

from the Ministry of Land, Infrastructure, Transport and Tourism (MLIT); Mr. Yasuhiko Kato, president of the JSEA; and Mr. Koichi Fujiwara, president and CEO of Nippon Kaiji Kyokai (ClassNK).

At the Japan Pavilion, JSMEA and the JSEA together hosted "Japanese Sushi Luncheon Parties" on June 4-6 to bring together industry and other representatives from Norway and other European countries. The sushi parties regaled other exhibitors and guests and encouraged many more visitors to stop by the pavilions.

JSMEA adopted a new style in its layout of exhibition booths for the first time at Nor-Shipping 2019. There were no partitions between the booths, which allowed more exhibitors to display at the Japan Pavilion. Many of them were in favor of the new style, with one remarking, "The more open space contributed to attracting visitors." "Having a sense of unity as a Japanese team, we boasted a greater presence than pavilions of other countries," said another exhibitor. Also, many of the exhibitors stressed that by participating in Nor-Shipping 2019, they were able to learn up-to-date developments in the European market, such as ways to acquire customers, take environmental measures and work on digitalization.

# **About Nor-Shipping 2019**

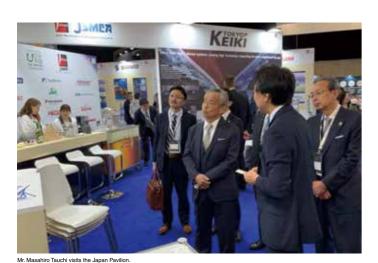
Dates: Tuesday-Friday, June 4-6, 2019

Place: Lillestrøm, Norway

13 attending JSMEA members: Daihatsu Diesel Mfg. Co., Ltd.; Fuji Electric Co., Ltd.; Fuji Trading Co., Ltd.; Fujitsu Ltd.; Japan Weather Association; Kawasaki Heavy Industries, Ltd.; MOL Techno-Trade, Ltd.; Nakashima Propeller Co., Ltd.; Shinko Ind. Ltd.; Taiyo Electric Co., Ltd.; Tokyo Keiki Inc.; Volcano Co., Ltd. and Yanmar Co., Ltd.

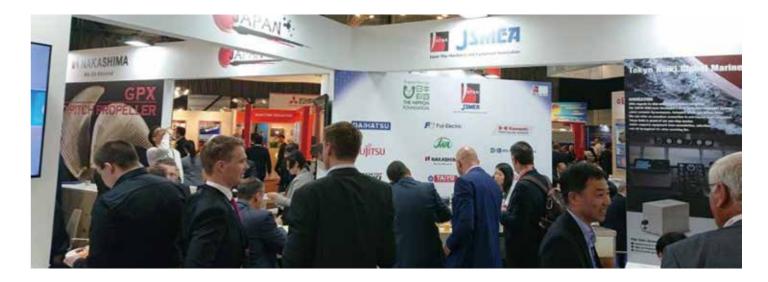
# Ribbon-cutting ceremony performed at the Japan Pavilion











# **JSMEA returns to HK to host seminar**

Japan Ship Machinery and Equipment Association (JSMEA) organized a ship machinery and equipment seminar on July 9, 2019 in Kowloon, Hong Kong, a project advanced with financial assistance from The Nippon Foundation. Supported by the Hong Kong Shipowners Association (HKSOA), it held its first seminar in four years in the city, attracting 104 people—more than the last time—from local ship owners and other parties concerned with maritime affairs.

JSMEA sent a 66-member contingent representing 19 affiliated companies, led by Mr. Shinzo Yamada, chairman; Mr. Katsuhiko Fujiwara, vice-chairman who is in charge of its Overseas Market Development Committee; and Mr. Reijiro Urabe, head of its Overseas Market Development Working Group.

At the beginning of the seminar, Mr. Yamada

pointed out that the Japanese ship machinery and equipment industry has maintained strong relations for a long time with Hong Kong's ship owners, ship management companies and others engaged in maritime affairs in the port city. At its previous seminar held there, JSMEA had encouraged local parties to meet with many of its members and to exchange the latest information and views, he added. The chairman continued that the success persuaded JSMEA to return to Hong Kong for another seminar. Following Mr. Yamada, Mr. Martin Cresswell, technical director of the HKSOA, spoke, saying that currently Hong Kong ship owners are faced with three important challenges: (1) protecting the natural environment, (2) raising efficiency and (3) maintaining the quality of ship machinery and equipment throughout their lifecycles. He hoped that local parties would obtain up-to-date information on Japanese ship machinery and equipment to address the challenges. Mr. Cresswell also said that JSMEA would visit Hong Kong regularly for more seminars.

After the opening remarks, 18 of the attending JSMEA members delivered presentations on the most recent information on their respective products and technologies. Concurrently, all of the 19 members held negotiations at their tables while providing briefings on products and technologies for visitors and answering questions about the presentations.

After the seminar, JSMEA hosted a reception where its member companies talked freely with current and potential customers until the end.

Many of the JSMEA members attending the seminar said that it was a great opportunity, as they were allowed to directly relay the latest information not only to their patrons, but also to those with whom they had just established relations. Judging from their responses, the member companies had successfully promoted Japanese ship machinery and equipment products and boosted partnerships with local parties.

**About ship machinery and equipment seminar** 

Date and time: Tuesday, July 9, 2019 (seminar: 13:00 to 18:00 and reception: 18:30 to 20:00)

Venue: Kowloon Shangri-La, Hong Kong

More details: refer to the seminar program and/
or the website located at http://www.jsmea.or.jp/
en/seminar/2019/hongkong

## **Attending JSMEA members (19)**

18 members giving presentations and setting up business-matching tables: Chugoku Marine Paints, Ltd.; Daihatsu Diesel Mfg. Co., Ltd.; The Hanshin Diesel Works, Ltd.; IHI Power Systems Co., Ltd.; Kanagawa Kiki Kogyo Co., Ltd.; Kawasaki Heavy Industries, Ltd.; Mitsubishi Heavy Industries Marine Machinery and Equipment Co., Ltd.; Miura Co., Ltd.; MOL Techno-Trade, Ltd.; Nabtesco Corporation; Nagasaki Sempakusobi Co., Ltd.; Nakashima Propeller Co., Ltd.; Nippon Paint Marine Coatings Co., Ltd.; Sasakura Engineering Co., SEMCO Ltd.; Ltd.; Taiyo Electric Co., Ltd.; Volcano Co., Ltd. and Yanmar Co., Ltd.

1 member only setting up a business-matching table: Tobu Jyukogyo Co., Ltd.



r. Shinzo Yamada gives the opening address at the seminar.





Negotiations are held between JSMEA members and visitors







Mr. Shinzo Yamada's address kicks off the reception





he reception is attended by many people.

Jsmea News No. 118

# **JSMEA takes part in OTC 2019**

Japan Ship Machinery and Equipment Association (JSMEA) traveled to Houston, Texas to attend Offshore Technology Conference (OTC) 2019 on May 6-9, 2019 with financial support from The Nippon Foundation. The association was making its seventh presence at one of the largest offshorerelated events in the world.

On behalf of JSMEA, Mr. Masaharu Ono, vicechairman, and Mr. Shigeharu Oda, the head of its Offshore Development Strategy Review Board, led a contingent of nine member companies to staff the

Japan Pavilion together with INPEX Corporation, the Japan Agency for Marine-Earth Science and Technology (JAMSTEC), JX Nippon Oil and Gas Exploration Corporation and Nippon Kaiji Kyokai (ClassNK).

JSMEA took some big steps forward at OTC 2019 when it secured space for a booth in the main hall. While the space was small, because of the popularity of the main hall and the accommodation of many global offshore-related companies, the booth was blessed with a flow of people from

beginning to end, who picked up catalogs of products prepared by the association and member companies. The visitors also made inquiries about the products and asked to talk with member representatives.

In the area hall, the Japan Pavilion was again set up as it was last time. Members here were busy answering questions and conducting business negotiations at their booths to fully promote Japanese ship machinery and equipment products.

OTC 2019 welcomed a total of 59,200 visitors. according to an announcement made by its organizer. Although it was smaller than the number of visitors at OTC 2018 (61,300), many of the Japan Pavilion members stressed that they had had more positive inquiries and negotiations this time.

At the OTC 2019 venue, presentations were given by parties involved in offshore development projects. Due to the recent rise in oil prices, many said that while the market had bottomed out, it can be picked up by continuing to curtail development and production costs.

On May 6, the first day of OTC 2019, 57 Japan Pavilion members held an event to interact with each other, which encouraged them to actively exchange information and opinions.

On the following day, JSMEA organized its annual networking reception at Minute Maid Park to help its members establish relations with offshore developers and other relevant parties from the United States and Europe. About 200 people attended the event.









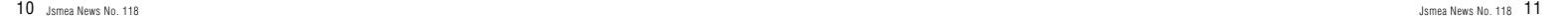












# Sideline events held while OTC 2019 was in

May 3: JSMEA visited the Houston office of INPEX and JX Nippon Oil Exploration (USA) Ltd., the Houston affiliate of JX Nippon Oil and Gas Exploration, to exchange information on recent oil and gas development projects and other subjects, and introduce its offshore developmentrelated business.

May 6: Mr. Ono took other JSMEA executives and representatives from affiliated companies to MODEC International, Inc., the North American affiliate of MODEC, Inc., to exchange information on recent oil and gas development projects and market trends, and introduce its offshore development-related business.

May 6: JSMEA invited 57 individuals from the Japan Pavilion exhibitors for a networking event, at which they were encouraged to exchange information and views.

May 7: JSMEA organized a networking reception at Minute Maid Park, inviting some 200 guests from other countries and regions engaged in offshore development projects.

#### **About OTC 2019**

Official title: Offshore Technology Conference

Dates: Monday-Thursday, May 6-9, 2019

Venue: NRG Park

#### **About Japan Pavilion**

Locations: (main hall) Booth No. 1275 and (arena hall) Booth Nos. 7045, 7053 and 7145

Attending offshore development-related enterprises and organizations: ClassNK, INPEX, JAMSTEC and JX Nippon Oil and Gas Exploration

Attending JSMEA members: Daido Steel Co., Ltd.; Daihatsu Diesel Mfg. Co., Ltd.; Fuji Trading Co., Ltd.; Hien Electric Industries, Inc.; Kongo Colmet Mfg. Co., Ltd.; Nippon Paint Marine Coatings Co., Ltd.; Tokyo Rope Mfg. Co., Ltd.; Ushio Reinetsu Co., Ltd.; and Yanmar Co., Ltd.





# **Announcement on new leadership lineup**

We are deeply grateful to you all for the strong support of our business operations that you have continually given us. Japan Ship Machinery and Equipment Association (JSMEA) conducted a leadership election during its 54th annual general assembly on June 14. We made a commitment at that time to work even harder toward the further development of the Japanese ship machinery and equipment industry under the supervision of our new leaders, whose names are listed below. We humbly ask you to continue to help us in years to come.

### **Japan Ship Machinery and Equipment Association**

- Chairman: Shinzo Yamada (reappointed) (President of Taiyo Electric Co., Ltd.)
- Vice-chairman: Shigeki Kinoshita (reappointed) (President of Daihatsu Diesel Mfg. Co., Ltd.)
- Vice-chairman: Masaharu Ono (reappointed) (Chairman of Fuji Trading Co., Ltd.)

- Vice-chairman: Kenichi Waki (reappointed) (Supreme advisor to Tokyo Keiki Inc.)
- Vice-chairman: Kanji Tsutsui (newly appointed) (President of Shinko Ind. Ltd.)
- Vice-chairman: Yoshiro Yamashita (newly appointed) (President and CEO of Kashiwa Co., Ltd.)
- Executive managing director: Noboru Ando (newly appointed)
- Managing director: Toshihiko Sonoda (reappointed)

\*Yukio Furuno (president of Furuno Electric Co., Ltd.) and Kazuhiko Kinoshita (president of The Hanshin Diesel Works, Ltd.) have relinquished their vice-chairmanships and will dedicate themselves to their directorships. Shoichi Kitamura, former executive managing director, is now an advisor

# **JSMEA Seminar Schedule in FY 2019**

Japan Ship Machinery and Equipment Association (JSMEA) holds seminars around the world every year to introduce Japan's latest ship machinery and equipment products and technologies.

Joined by some 20 Japanese manufacturers, our seminars consistently attract around 200 attendees. Compatriot enterprises and parties engaged in local maritime affairs deliver presentations, while receptions allow participants to engage in productive interchanges.

Thanks to these and other activities, all of our seminars are highly rated.

In fiscal 2019, we will travel to The Turkish Republic and The Republic of The Philippines. We strongly urge you to join us at the seminars that we will organize in these economies, bringing you many ship machinery and equipment makers from Japan.

**Japan Ship Machinery & Equipment Seminar TURKEY** 

Date: September 25, 2019 Place: Istanbul Marriott Hotel Asia

Kayisdagi Caddesi No 3, Atasehir, Istanbul 34750 Turkey

**Japan Ship Machinery & Equipment Seminar PHILIPPINES** 

Date: February, 2020 Place: Manila,

Detail will be announced on https://www.jsmea.or.jp/

index\_en.html

PHILIPPINES-JAPAN Business Matching Forum. Feb,2018.





# JAPANESE MARINE



# ECO PRODUCTS







Japan Ship Machinery and Equipment Association (JSMEA) has published a booklet called Japanese Marine ECO-Products, which introduces products that member companies manufacture and sell that contribute to saving energy and helping the environment

Copies are distributed widely among ship owners and shipbuilding companies worldwide.

The Japanese Marine ECO-Products booklet carries information on more than 40 items, such as engines, propellers and other energy-saving products as well as emission-gas and ballast-water treatment systems and other ecologically friendly products. As such, the booklet is a useful reference when ship owners, shippards and other customers select machinery and equipment for new projects, as it contains product features and specifications as well as contact and other information.

The online edition of Japanese Marine ECO-Products is available at

#### https://www.jsmea.or.jp/eco-products

# VOLCANO CO . LTD





#### MIM NIIGATA POWER SYSTEMS CO., LTD.



#### MITSUBISHI HEAVY INDUSTRIES





# CATEGORY

Air Conditioning and Refrigeration Equipment Ballast Water Inspection Equipmen Ballast Water Management Syster Bearings, Sterntubes Bilge Senarator Bo**l**ts, Anti-Corrosion Coating Cables & Wires, Electrical Clutch Condensers Control Systems & Equipment Coolers, Oil Diesel engine Diesel Engines, Auxiliary Diesel Engine, Propulsion Diesel Engines, Propulsion Dual Fuel Engines, Auxiliary Eco-Friendly Product Engine Telegraphs & Loggers xhaust Gas Heat Recovery Unit

Dual Fuel Engines, propulsion (Low-Speed) Fire Fighting System Fresh Water Generating Plan Fuel Reformer

Galley Relative Equipment Gas Combustion Unit Hydraulic Control Valve

LNG Pump Monitoring & Control Systems Navigation Lights Oil Absorbents

Propeller Boss Cap Fins

ronellers, fixed nitch Pump, Inverter Control

Pumps, Deep Well Reduction Gear Seals sterntuhes Selective Catalytic Reduction System Separators. Oi**l** & Water Sewage Treatment Equipmen Shaft Driven Generating System Ship and Marine Batteries

Ship and Marine So<mark>l</mark>ar Power SOx Scrubber (EDCS) & Laser Gas Analyzer Winches, mooring, electric & hydrauli



# **Eco Marine Power's Renewable Energy System Installed on Cargo Ship**

An innovative ship solar power system developed by Eco Marine Power (EMP) has recently been installed on the large general cargo ship MV Panamana. The installation work was carried out by the ship's



crew with remote support provided by Zeaborn Ship Management (Singapore) Pte. Ltd. and EMP in Japan. All work was carried out as the ship operated normally with much of the installation done while the ship was at sea.

MV Panamana is a 54, 694 metric tonne (MT) open hatch general cargo/container carrier with 2 x 70 MT gantry cranes. The ship is owned by Masterbulk Pte. Ltd. (Singapore) and was built in Japan by Oshima Shipbuilding Co. Ltd.

The equipment installed on the ship includes a class-approved hybrid battery pack manufactured by Furukawa Battery Co. Ltd., battery

charging equipment, flexible marine-grade photovoltaic (PV) panels with special mounting frames and the Aquarius Management and Automation System (MAS). Of particular note is that for this project the complete system was sent as installation kits and this allowed for the crew to install the equipment without

the need of specialized tools and with technical support provided mainly online or via e-mail.

Special marine-grade solar panel mounting frames and battery racks were manufactured in Onomichi, Japan, by Teramoto Iron Works and it is the first time these have been used on a ship.

EMP's solar power solution can be used on almost any type of ship and is a clean source of energy that can also be utilized as a source of emergency power

For more information please visit: www. ecomarinepower.com or follow updates on twitter via @EcoMarinePower





## **Eco Marine Power Co., Ltd.**

Address: Agua Hakata 5F, 5-3-8, Nakasu, Hakata-ku, Fukuoka 810-0801 JAPAN Tel.: +81-92-287-9677 Fax: +81-92-287-9501

URL: http://www.ecomarinepower.com E-mail: enquiries@ecomarinepower.com









## **Chart Table Monitor for Electronic Navigation**

Ideal for route planning and navigation, multiple people can easily operate this advanced 46-inch touch panel monitor.

- 10-point simultaneous multitouch that accepts input from your finger or dedicated stylus
- Wide brightness range of less than 1 to 620 cd/m<sup>2</sup>
- Meets requirements for major international maritime classifications
- Meets international standards for ECDIS and Radar applications
- 3-year, 24-hour use manufacturer's warranty

# Monitor Range for Onboard ECDIS / Radar Applications

A wide range of monitors sizes (19, 21.3, 25.5, and 46 inches) is available for meeting individual system needs. They meet the requirements for major international maritime classifications, as well as hold an IP65 rating and approvals for ECDIS and Radar applications. In addition, they include features developed for maritime needs such as adjustment within a wide brightness range to ensure visibility in both bright and dark environments. Touch panel variations and optional optical bonding for increased visibility and physical durability are also available.



# **EIZO's Monitors for Maritime are Relied on Around the World**



Albert Wegener Fireboat (Germany)



Alphatron Marine BV (Netherlands)



Marinequip AS (Norway)

#### **About EIZO**

EIZO (TSE:6737), which means image in Japanese, is a visual technology company that develops and manufactures high-end display solutions. EIZO integrates hardware and software technologies with consulting, web hosting, and other services to help customers in business, graphics, gaming, medicine, maritime, air traffic control, and other fields work more comfortably, efficiently, and creatively. Headquartered in Hakusan, Japan, EIZO has R&D and manufacturing facilities in Japan, China, Germany, and the US, and representation in more than 90 countries.



# **EIZO Corporation**

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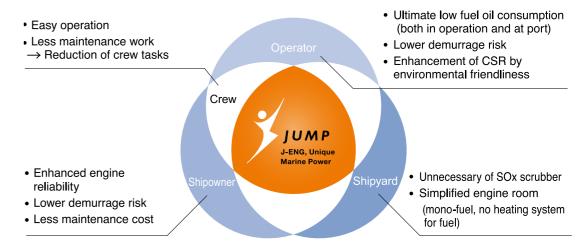
# **UEC-LSJ Engine (MGO Mono-Fuel Engine)**

# **New Concept "JUMP"**

Japan Engine Corporation (J-ENG) proposes "JUMP" (J-ENG, Unique Marine Power), a new solution for the environmental regulations in 2020

Under the concept of "JUMP", J-ENG developed the MGO mono-fuel engine, "UEC-LSJ" series which uses MGO (Marine Gas Oil) or MDO (Marine Diesel Oil).

#### Benefits for all maritime stakeholders



# Feature of UEC-LSJ engine

# Fully comply with the environmental regulations of NOx, SOx, EEDI (CO2)

- Enhancement of CSR by environmental friendliness
- Reduction of NOx by water injection system

# Ultimate low fuel oil consumption (FOC) Approx. 5% reduction of FOC in comparison

- with the conventional engine by perfect combustion tuning
- Contribution to the EEDI reduction
- Additional reduction of fuel consumption during the vessel at port with no heating system

#### Clean and stable fuel quality

- Enhanced engine reliability
- Lower demurrage risk
- Less maintenance costs and smaller crew tasks
- Simplified engine room
- → "JUMP" provides a variety of benefits to all maritime stake holders.

# **UEC-LSJ Engine (UEC50LSJ)**

To realize the concepts of "JUMP", J-ENG has received the Nippon Foundation's support in developing the MGO mono-fuel engine, "UEC-LSJ".

The first 5UEC50LSJ-EGR engine was completed.





# **Japan Engine Corporation**

1 Minamifutami, Futami-cho, Akashi City, Hyogo 674-0093, Japan Tel.: +81-78-949-0800 Fax: +81-78-949-0810 URL: https://www.j-eng.co.jp/





# **POLARIS Hindcast**

Precise Ocean data LibrARy and Intelligent Service



# **About POLARIS**

# **■** Digital transformation for shipping data.

Due to recent developments in sensor and ship-land intercommunications, ship monitoring data can now be obtained.









Monitoring data



# ■ Why oceanographic data is necessary.

Oceanographic data is essential as an external force for monitoring data analysis. We have high quality wave data of 30 years which can be obtained from our recently released API service any time.

# Applications

**POLARIS Hindcast** 

# Design/Review

For assement of external force.
For post analysis.





POLARIS Forecast POLARIS Navi

# **Operation**

For port and voyage.





**POLARIS Plus** 

# Office

For managers to check POLARIS Hindcast/Forecast/Navi/





# **Japan Weather Association**

Sunshine 60 Bldg. 55F, 3-1-1 Higashi-Ikebukuro, Toshima-ku, Tokyo 170-6055 Japan Tel.: +81-3-5958-8143 Fax: +81-3-5958-8157

URL: https://www.jwa.or.jp/english/ E-mail: wavedata@jwa.or.jp

# Nabtesco moving it. stopping it.



# **Products**

- Propulsion control system (Main engine / Propeller)
- Equipment for Electrically controlled engine
- · Sensing equipment
- Hydraulic control valve
- Electric Governor

# Training

 Professional education for marine engineer and ship crew with the simulator.



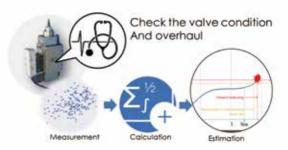
# Maintenance

- Propulsion control system (Main engine / Propeller)
- · Pneumatic Maneuvering System
- · Governor system
- Technical advise
- · Engineering service



## Overhaul & Condition Check

 For FIVA/ELFI valve on ME Engine of MAN Energy Solutions



Nabtesco moving it. stopping it.

# **Nabtesco Corporation**

1617-1, Fukuyoshidai 1-chome, Nishi-ku, Kobe, Hyogo 651-2413, Japan Tel.: +81-78-967-5361 Fax: +81-78-967-5362 E-mail: newbuilding@nabtesco.com



# **Vibration Isolation and Noise Reduction**







Gaskets for housing doors and protecting electronic equipment





Elastic bearings for engines, motors, gear units and HVAC systems



Elastic bearing of wheelhouses



Bearings for cabins and internal rooms (decoupled floors, walls and ceilings)



Decoupling of heliports



Decoupling of power distribution units and batteries



Elastic bearing of pools and jacuzzis



# **Material Properties**

- Outstanding material properties, retained over decades
- Resistant to water, salt water, oils and greases
- Light weight
- Low material thickness for reduced floor installation height
- Easy handling and assembly
- Excellent static to dynamic stiffness ratio
- Free from plasticisers and environmentally harmful substances
- Outstanding fire properties with IMO MSC 307(88), FTP Code 2 and 5 compliant, wheel-mark module B- and D-certified



# Nihon Getzner K.K.

6-8, Nihonbashi Odenma-cho, Chuo-ku, Tokyo 103-0011, Japan Tel.: +81-3-6842-7072 FAX: +81-3-6842-7062

URL: https://www.getzner.com/en

(((())) NIPPON PAINT MARINE

# **Innovative technologies to stay a pioneer** of Anti-fouling Paint







Nippon Paint has a long history of detailed research and development into antifouling paints that have reduced Shipping's marine environmental impact and in reducing air pollution.

In 1990, Nippon Paint developed the world's first TBT-free true self-polishing copolymer (SPC) antifouling "ECOLOFLEX" series. Ecoloflex products have since been applied to many thousands of ships and continue to reduce shipping's costs and environmental impact today.

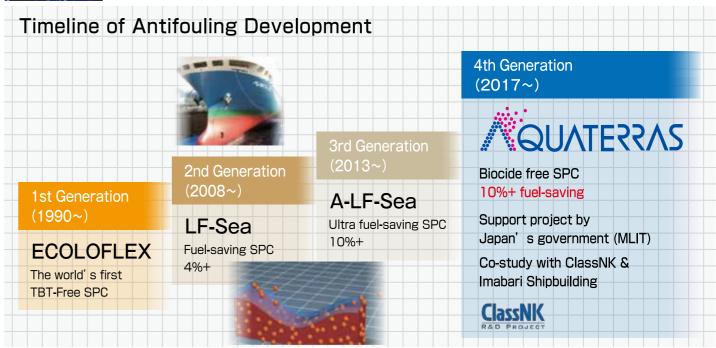
2008 Nippon Paint introduced 'LF-Sea' the world's first low friction fuel-saving antifouling paint using patented hydrogel "water trapping" technology incorporated in an SPC antifouling.

2013 this technology was further enhanced by Nippon Paint's development and launch of an ultra-efficient fuel-saving antifouling paint "A-LF-Sea"- the advanced version of LF-Sea.

These products have been proven by experience on thousands of vessels to have contributed to the lowering of air pollution and greenhouse gas emissions from the efficiency of their low-friction surfaces the reduction of the ship's fuel consumption.

After years of further research by teams of technicians, Nippon Paint is now able to announce a significant leading step in technical innovation with the launch of the world's first self-polishing antifouling paint that is completely biocide-free.

**AQUATERRAS** will further contribute to shipping's reduction of both its marine and atmospheric environmental impacts.





# **Nippon Paint Marine Coatings Co., Ltd.**

2-1-2 Oyodo Kita, Kita-ku, Osaka 531-8511, Japan Tel.: +81-6-6455-9590 FAX: +81-6-6450-4085 URL: http://www.nipponpaint-marine.com/index.html

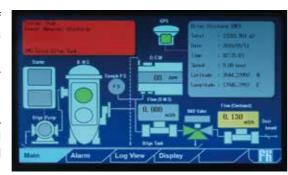


# **BILGE DISCHARGE MONITOR BDM-FT1000**

Environmental pollution has gone on a global scale, reinforcement of environmental conservation, the monitoring with severer standard was expected worldwide.

Our new "BILGE DISCHARGE MONITOR" can record various data & change, such as condition of pump, bilge water separator, ship location, oil contents, automatic stopping device (3-way valve), discharge rate.

Our visualized monitor is tamper proof in accordance with MARPOL regulations, and is able to reinforce in monitoring, such as, record management of proper operation, and preventing unauthorized discharge. (From oil major requirement)



#### **Feature**

- Various operating condition can be visually checked on LCD screen (pump operation, separator operation, ship location, oil contents, autodischarge valve (3-way valve), discharge rate).
- Simple operation on the LCD screen for touch panel.
- GPS, bilge monitor, 3-way valve, and flow meters are linked & monitored. This works as a tamper proof.
- Easy to prove the proper operation to PSC inspectors.
- Reliable design. In case of emergency, possible to change to emergency mode and conduct a conventional operation acc. to I.M.O.
- Record electric data about bilge discharge monitoring.
- The system data can be used as a supplement against human error, typo-error or injustice in the oil record book.
- Saved data is stored at internal memory and can be checked any time.
- Internal memory can save for three years.\*
- Past operating record can be shown as a chart, easy to check performance.

\* In standard use





## TAIKO KIKAI INDUSTRIES CO., LTD.

209-1 Shimotabuse, Tabuse-cho, Kumage-gun, Yamaguchi Pref. 742-1598 Japan Tel.: +81-820-52-3113 Fax: +81-820-53-1001 E-mail: business-marine@taiko-kk.com





# **Dealing with Introduction of LNG fuel into vessels**

# ~Introduction of DF burner "Vignis" with GCU function~

## **Product Outline**

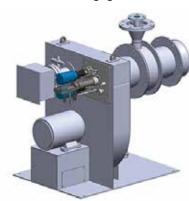
"Vignis" is the Gas/Oil simultaneous mixed combustion DF burner for boilers.

"Vignis" can be installed not only in LNG fueled vessels and LNG bunkering vessels, that need both safety and appropriate treatment of BOG, but also LNG ready vessels.

We have made product repositioning as with GCU mode and added wide range type to them in July 2019. Gas combustion rate of wide range type will be three times higher than normal type for larger capacity of GCU function.

Note: GCU stands for Gas Combustion Unit. GCU is the equipment to treat mixed gas, which contains methane and inert gas, used in vessels handling gas. Methane

is a major component of LNG fuel and has a global warming potential 25 times that of carbon dioxide. Releasing combustible gases into the atmosphere is prohibited under the IGF code as well. Installing "Vignis" on



boilers, you can use boilers as GCU and contribute not to release methane gas into the atmosphere.

#### **Product Features**

- Gas/Oil simultaneous mixed combustion : Capable of burning Gas and Oil simultaneously as well as separately
- Equipped GCU mode: Usable of boiler as GCU by Gas/Oil simultaneous mixed combustion
- Combustion of any kind of gas : Capable of treating inert gas up to 100% content due to Gas/Oil simultaneous mixed combustion
- Wide range Turndown Ratio: Reductive of heat loss by decreasing frequency of both firing and extinguishing thanks to wide range Turndown Ratio up to 10:1
- Target boilers Applicable to boilers which evaporation rates are 1 to 7 t/h

Gas/Oil simultaneous mixed combustion DF burner "SFFG II" can be used for boilers which evaporation rate is higher than 7 t/h

We recommend Gas Combustion Unit "MECS-GCU" for vessels which don't equip boilers.

Vignic /Vignic-W Specification

Vignis/ Vignis=W Specification												
		Standard Type			Wide Range Type							
TYPE	Vignis- 80	~	Vignis- 480	Vignis-W240		Vignis-W360		Vignis-W450				
		8 volum	es in total	<b>※</b> 3	Normal Mode	GCU Mode	Normal Mode	GCU Mode	Normal Mode	GCU Mode		
Boiler Evaporation	t/h	1	~	7	1	-	1.5	-	2	-		
Fuel LNG, LPG, HFC				O(700cst), MDO, MGO, ULSHFO, Crude oil								
Combustion Rate (HFO)	kg/h	100	~	600	100	-	150	-	190	-		
Combustion Rate (MGO)	kg/h	95	~	565	95	-	140	-	180	-		
Combustion Rate (Gas) ※1	kg/h	80	~	480	80	240	120	360	150	450		
Gas pressure ※2	MPaG	Free flow ∼1.0 ¾4										
Control System					Propo	Proportional Control						

- %1. CH₄: 100% (as low calorific value 50 MJ / kg)
- ※2. Gas supply pressure at gas valve unit inlet
- 3. As for standard type, Gas combustion rate of normal mode is the same as that of GCU mode

34. "Free flow" is when gas is supplied at the tank pressure without pressurizing BOG



#### **VOLCANO CO.,LTD.**

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E-mail: info-m@volcano.co.jp

# MARINTEC CHINA 20



# SHANGHAI NEW INTERNATIONAL EXPO CENTRE

# 3rd-6th December

# **JAPAN PAVILION**

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Shanghai International Convention Centre The Oriental Riverside Bund View Hotel

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