**The Energy Efficiency Event – from the Maritime and Coastguard Agency**

**Tuesday the 29th of November**

**Portsmouth Historic Dockyard Action Stations #Victory Gate HM Naval Base PO1 3LJ**

The MCA Energy Efficiency Technology Showcase event will provide insights on the technology available now to help ship owners and operators reduce energy usage, and in turn reduce OPEX and emissions. The measures we’ll be discussing have the potential to help meet new EEXI regulations, could be retrofitted or used for new tonnage and all have an estimated return on investment time of less than five years and target savings of between 3% - 20%.

**Agenda**

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| Time  | Session  | Speaker | Location | Note |
| 09.00 – 09.30 | Arrivals and registration  | NA | Actions Stations room | Tea and coffee will be available |
| 09.30 – 09.35 | Welcome introduction and housekeeping | Saskia Daggett, Relationship Director, MCA | Horizon Suite | NA |
| 09.35 – 09.45 | Opening address | Eamonn Beirne, Deputy Director, UK SHORE & Maritime Environment, Technology and International, Department for Transport  | Horizon Suite | Q&A session will follow all speakers |
| 09.45 – 10.00 | Overview of the IMO EEXI regulations  | Gwilym Stone, Deputy Director: Regulations & Standards, MCA | Horizon Suite | Q&A session will follow all speakers |
| 10.00 – 10.20 | Inspirational Speaker – translating the cutting edge  | Lauren Eatwell, Head of Engineering BAR Technology  | Horizon Suite | Hydrofoil and passenger ferry technology |
| 10.20 – 10.40 | What technology is available and how will it help you | Karl Hinks, Marine Power Consultancy  | Horizon Suite | How this tech can help you |
| 10.40 – 11.10 | Break and refreshments  | NA | Actions Stations room | NA |
| 11.10 – 11.30 | The human factor – why behavioral change is crucial  | Dr Claire Pekcan, Director at Safe Marine Ltd | Horizon Suite | Q&A session will follow all speakers |
| 11.30 – 11.55 | Q&A session | Chaired by Karl Hinks, Marine Power Consultancy | Horizon Suite | NA |
| 11.55 – 12.00 | Close of online session and an explanation of how the speed dating will work  | Karl Hinks, Marine Power Consultancy  | Horizon Suite | Goodbye to our online guests  |
| 12.00 – 12.30 | Lunch | NA | Actions Stations room | Buffet style  |
| 12.30 – 14.15Speed dating – technology discussions12.30 – 14.15Speed dating – technology discussions | Our fantastic technology suppliers and specialists will be hosting roundtable discussions. They will run through overviews of the technology they lead on and answer questions. Each host will be running three sets of presentations and discussions giving you time to move round.  |  | All presentations will be available in the online delegate pack  |
| **Table 1) Hull Vane** **Hosts: Hull Vane, Bruno Bouckaert** Hydrodynamic improvement, retrofit and new build measure relevant to all vessels  | Horizon Suite |
| **Table 2) Anti-fouling** **Host: Darren Jones, Sonihull**Ultra-sonic anti-fouling measures relevant to all vessels  | Horizon Suite |
| **Table 3) Hull Air Lubrication** **Host: Silverstream, Craig Patrick and Ollie Wood**For large flat bottomed vessels like tankers/cruise ships/large ferries/Naval | Horizon Suite |
| **Table 4) Propulsion Technology****Host: Wartsila, Piet Van Mierlo**Gate Rudder, Efficiency Rudder & Boss Fins (large Merchant & Naval vessels/all vessels) | Horizon Suite |
| **Table 5) Hybridization** **Hosts: Houlder, Gavin Forward & David Wing**Battery technology and alternative energy sources | Horizon Suite |
| **Table 6) The Human Element** **Host: Safe-Marine, Dr Claire Pekcan, (**Relevant to all ship owners) | Horizon Suite |
| **Table 7) Highspeed craft** **Hosts: Chartwell Marine, Rob Sime, Principle Naval Architect and BAR Technology, Lauren Eatwell, Head of Engineering** Hydrofoil and passenger ferry technology | Actions Stations room |
| **Table 8) EU Project** *“Retrofit Solutions to achieve 55% GHG reduction by 2030”***Host: Dr Milad Armin, Senior Lecturer at Liverpool John Moores University** Efficiency savings including air lubrication and hydrogen powered auxiliary systems  | Actions Stations room |
| **Table 9) Sails and Rotors****Host: TBC**Harnessing the wind power for larger vessels  | Action stations |  |
| **Table 10) Vessel Monitoring and Hydrodynamics****Host: Stephen Phillips Seaspeed/Houlder.** | Action Stations |  |
| **Table 11) Waste Heat Recovery.****Host John Buckingham BMT** | Action Stations room  |  |
| 14.15 – 14.30 | IMPORTANTDelegates for the ferry reception meet at the reception desk  | Delegates registered for Victoria of Wight insight tour to depart for Wightlink terminal by bus. | Reception desk | Anyone not at the bus by 14.30 will miss the Ferry.  |
| 14.30 – 14.45 | Travel by bus to the ferry | Travel by bus to the ferry | NA | NA |
| 14.45 – 16.45 | Floating Reception Wightlink Ferry  | Boarding for the Tour of the Victoria of Wight. Graciously hosted by Wightlink **CEO Keith Greenfield**. Guests will have more time to discuss during return trip to Isle of Wight (40 mins each way) with a reception onboard Small party tours of bridge and engine room to see the cutting edge electric technology will be led by Wightlink CEO Keith Greenfield. | Keith Greenfield WightLink CEO | Prior booking necessary, refreshments will be provided |
| 17.00 – 17.15 | Bus  | Bus back to Portsmouth Historic Dockyard | NA | NA |
| 17.00 | End |  |  |  |