3 UNIQUE ONE DAY EVENTS
Grand Harbour - Southampton UK
Focus on Sub IMO / Sub 24 Metre Professional Sector Craft

KNOWLEDGE & NETWORKING
A dynamic group of international experts highlight innovative solutions for next generation vessels

Relevant to Professional - Commercial - Military:
End-user Organisations // Operators // Boat Builders
Engine Manufacturers // Mechanical & Electrical Engineers
Naval Architects // Maritime Legislators // Government Bodies

Future Requirements and New Technology for:
Work Boats // Pilot Boats // Patrol Craft
Wind Farm Support Vessels // Survey Vessels
Superyacht Tenders // Unmanned Craft

You can attend for a single day - Standard Rate: £200 per day
British Marine / RINA / SSA / UKMPA / UKHMA / YBDSA Rate: £150 per day
Military / Government / Academia Rate: £150 per day

To book a place or for further information:
Event Manager: Julie Arthur +44 (0) 7449 000228
Email: julie@shockmitigation.com

www.shockmitigation.com
<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>08.30 – 09.00</td>
<td>Registration &amp; Coffee</td>
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</table>
| 09.00 – 09.15 | John Haynes – Workshop Lead  
Shock Mitigation Solutions - Introduction & Overview                             |
| 09.15 – 10.00 | Jonathan Lewis – Maritime Command, Border Force  
The Challenges of Building Fleets for Evolving Maritime Roles                       |
| 10.00 – 10.45 | Dr Thomas Coe – Senior Consultant, Frazer-Nash Consultancy / Naval Design Partnership  
The Future of Shock Mitigation Testing - Getting from Anecdote to Evidence           |
| 10.45 – 11.15 | Coffee                                                                            |
| 11.15 – 11.45 | Dr Tom Gunston – ISO Seat Testing Working Group  
Update on ISO Standards for Boat Seat Performance Testing and Next Steps             |
Cutting edge update on suspension seating innovations and industry led technology    |
| 12.30 – 13.00 | Panel Discussion  
Which shock mitigation methods can increase efficiency and / or Time To Limit (TTL)? |
| 13.00 – 14.00 | Lunch                                                                             |
| 14.00 – 14.45 | John Haynes – Managing Director, Shock Mitigation  
A Holistic Approach to 'Shock Mitigation By All Means'                              |
| 14.45 – 15.30 | Hans van der Molen – Head of Technical Projects & Innovation, KNRM (NL Lifeboat)  
Comparing Lateral and Vertical Accelerations between ‘Nh1816’ and ‘Arie Visser’ Class |
| 15.30 – 16.00 | Coffee                                                                            |
| 16.00 – 16.15 | James Taylor – President & CEO, SKYDEX Technologies  
Enhanced Seat Cushion Performance and Non-Mechanical Shock Mitigation Solutions       |
| 16.15 – 16.30 | Arvid Uzolas – Grammer Nautic  
Utilising experiences from on & off road transport to improve maritime transport seating |
| 16.30 – 17.00 | Panel Discussion  
How do we actually reduce risk and injury in the high speed craft workplace?      |
| 17.30 – 19.30 | Networking Drinks Reception                                                       |

Please Note: Programme may be subject to change due to presenter commitments  
Panel Discussions: Workshop style encourages Q&A interaction with delegates
**THEME:** Boat and Equipment Procurement in a Changing World

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<td>09.00</td>
<td><strong>John Haynes – Workshop Lead</strong> RIB &amp; High Speed Craft - Introduction &amp; Overview</td>
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<tr>
<td>09:15</td>
<td><strong>Prof Ajit Shenoi – Director, University of Southampton Marine &amp; Maritime Institute</strong> GMTT 2030 - Global Marine Technology Trends for the next decade and beyond</td>
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<td>10:15</td>
<td><strong>John Haynes – Managing Director, Shock Mitigation</strong> Balancing the need for speed with reliability and durability</td>
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<td>10:45</td>
<td>Coffee</td>
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<td>11:15</td>
<td><strong>Tony Birr – Director, Century Maritime</strong> Selecting Effective Craft to Fulfil Multiple Maritime Functions in Port and at Sea</td>
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<tr>
<td>11:45</td>
<td><strong>Focus On – Commercial Off The Shelf (COTS) procurement</strong> Including: Modular design for repairs, refits and upgrades. Through Life Support (TLS) of fleets</td>
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<td>12:30</td>
<td><strong>Adam Younger – Principal Naval Architect, Adam Younger Design</strong> How Traditional Versus Innovative Materials Affect Design and Structural Limitations</td>
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<td>Lunch</td>
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<td>14:00</td>
<td><strong>James Fanshawe – Chairman, Maritime Autonomous Systems Regulatory Working Group</strong> Unmanned Surface Vehicles (USV) go from concept to service</td>
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<tr>
<td>14:45</td>
<td><strong>Panel Discussion</strong> The Human Element and the Operation of Autonomous Vessels</td>
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<td>16:00</td>
<td><strong>Russell Marmon – International PWC Champion, Professional Engineer</strong> 20 Years Experience of Preparing Extreme Watercraft for Endurance Racing and Passages</td>
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<td>16:15</td>
<td><strong>Alan Priddy – British Global Powerboat Circumnavigation Record Team</strong> Selecting vessel and equipment to break 24,000 mile Circumnavigation Record of 61 days</td>
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<td>16:45</td>
<td><strong>Panel Discussion</strong> What lessons can be learned from both sides of boat and equipment procurement?</td>
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**THEME:** Identifying and Avoiding Single Points of Failure at Sea

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Systems Safety & Equipment - Introduction & Overview |
| 09:15 – 10:15 | Iain Wallbridge – Senior Naval Architect, RNLI  
Design Challenges of Building Modern Lifeboats for the RNLI |
| 10:15 – 10:45 | John Haynes – Managing Director, Shock Mitigation  
Why fundamental seamanship and basic navigation methods still matter |
| 10:45 – 11:15 | Coffee                                                                  |
| 11:15 – 12:00 | Captain Andrew Moll – Deputy Chief Inspector, Marine Accident Investigation Branch  
How ALL Marine Sectors can learn from Accidents & Incidents - including Points Of Failure |
| 12:00 – 12:30 | Focus On – Electronics and Digital Technology  
| 12:30 – 13:00 | Panel Discussion  
In an increasingly complex world - is simple still best on a dark and stormy night? |
| 13:00 – 14:00 | Lunch                                                                 |
| 14:00 – 14:45 | Captain Don Cockrill – Secretary General, UK Maritime Pilots Association  
Maritime Situational Awareness - Science Art or Myth? |
| 14:45 – 15:30 | Focus On – Crew Systems Integration  
Including: C3 - Measuring Noise in Maritime Environments - Realistic & Relevant Simulation |
| 15:30 – 16:00 | Coffee                                                                  |
| 16:00 – 16:30 | Doug Vincett – Spinlock / Alistair Hackett – Ocean Safety 3Si  
Cutting edge update on lifejackets / MOB innovations / PPE / industry led safety technology |
| 16:30 – 16:45 | James Glover – Managing Director, Dyena  
Vessel and Crew Health Monitoring to aid Operators Managing Fleets and Staff |
| 16:45 – 17:00 | Panel Discussion  
What education, training and new maritime skills do we need to reduce human error? |
| 17:00 | End of Workshop |

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**SUPPORTERS**

Boat builders and OEMs manufacturers now recognise that they need to work together to develop next generation systems that fit the changing requirements of modern fleets. The unique knowledge gained from presentations and networking sessions will help to shape decisions that lead to improvements for in-service systems and procurement of next generation vessels.

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