STEER

Seafarer Technology Engagement
Empowerment and Resilience

#ListeningToSeafarers

The evidence, the gaps and the way forward

Appendix 3

Maritime Industry Reports and Publications
Related to the Impact of Technology on Seafarers

The Nautical Institute

In collaboration with LR Foundation

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Maritime industry reports and publications related to the impact of technology on seafarers

N	Author / Organisation	Year	Report Title
1	ABB	2025	Charting the maritime frontiers: Chapter 13 The digital crew member comes of age (ECAMARIS Project)
2	ABS	No date	Applying human readiness levels in maritime systems
3	ABS	2025	Guide for smart functions for marine vessels and offshore units
4	BIMCO, IMarEST, Nautical Institute, and InterManager	No date	Guidelines for the management of distraction-causing devices on board ships
5	Bureau Veritas	2022	Smartship: Bringing smart collaboration to shipping
6	Clyde&Co and IMarEST	2017	Technology in shipping: The impact of technological change on the shipping industry
7	DNV	No date	The future of seafarers 2030: A decade of transformation
8	DNV	2022	Insights into seafarer training and skills needed to support a decarbonized shipping industry
9	DNV	No date	Closing the safety gap in an era of transformation
10	Economist Impact	2023	Global maritime trends 2050
11	EMSA	2024	Study on the identification of specific competences for seafarers on ships using alternative fuels and energy systems
12	European Commission	2020	Study on social aspects within the maritime transport sector
13	Future Nautics	2018	Crew connectivity 2018 survey report
14	Hamburg School of Business Administration	2018	Seafarers and digital disruption: The effect of autonomous ships on the work at sea, the role of seafarers and the shipping industry
15	IMarEST	2018	Autonomous shipping: Putting the human back in the headlines
16	ISWAN	2025	Taking a seafarer-centred approach to decarbonisation: Guidance for seafarers and maritime stakeholders
17	ISWAN	No date	Digital technology and seafarers' mental wellbeing
18	Korea Maritime Institute, International Transport Workers' Federation, and Korea Institute of Maritime Fisheries and Technology	2023	The MASS human element. Collating seafarers' voices: Perspectives and expectations
18	Lloyd's Register	2024	Effective alarm management in the maritime industry
19	Lloyd's Register	2025	Alarm management in the maritime industry: Volume 2: An analysis of shipborne alarm data against the IEC 62682: 2014 performance metrics
21	Lloyd's Register	No date	Effective alarm management in the maritime industry: Summary report. Insights from 40 million vessel alarm related events
22	Lloyd's Register and Lloyd's Register Foundation	2025	Global maritime trends barometer 2025: Assessing the progress of the maritime energy and digital transitions

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23	Lloyd's Register, QinetiQ and University of Southampton	2015	Global marine technology trends 2030
24	Lloyd's Register and MOL	2024	Maritime autonomous surface ships (MASS): Creating a framework for efficiency, safety and compliance
25	Lloyd's Register Foundation	2025	The intersection of occupational safety and health with emerging technology: Scoping and mapping the evidence to plan for future research
26	Lloyd's Register Foundation	2022	Shining a light on seafarer wellbeing
27	London Economics, NLA International, and Marine South East	2021	Consultancy research into the UK maritime technology sector
28	MAIB and DMAIB		Application and usability of ECDIS
29	Marin	2024, 2025	Alert: Join industry project (leaflet and proposal)
30	Maritime Charities Group	2025	Seafarers 2040: Understanding UK demographics and welfare needs
31	Nautilus Federation	2018	Future proofed? What maritime professionals think about autonomous shipping
32	Nautilus Federation	No date	An investigation into connectivity at sea: Wherever you are, so are we
33	OCEAN	2023	Improved operator decision-making
34	OCEAN	2025	Improved professional standards to enhance navigational situation awareness
35	Sailors' Society	2026	Sailors' Society cadet report 2025/26. The first digital seafarer generation: Cadets, ratings and trainees
36	Sailor's Society	2026	Understanding and addressing gambling harms among seafarers in the UK A briefing for seafaring charities and welfare organisations
37	Thetius and Bureau Veritas	No date	Common interest: How the maritime industry can share data, collaborate with trust, and build a mutually beneficial digital ecosystem
38	Thetius and Danelec	No date	The great integration: How connected maritime technology is unlocking compounded value across performance, compliance, and operations
39	Thetius and Inmarsat	No date	The network effect: Strategising connectivity at sea for maximum impact
40	Thetius and Inmarsat	No date	Welfare 2.0: How can the next generation of technology enable better crew safety, health and wellbeing at sea?
41	Thetius and Inmarsat	No date	Seafarers in the digital age: Prioritising the human element in maritime digital transformation
42	Thetius and Inmarsat	No date	The digital wave: Transforming vessels into floating offices and remote homes
43	Thetius and Lloyd's Register	No date	Beyond the horizon: Opportunities and obstacles in the maritime AI boom
44	Thetius and Lloyd's Register	No date	The learning curve: The state of artificial intelligence in maritime
45	Thetius and Lloyd's Register	No date	Out of the box: Implementing autonomy and assuring artificial intelligence in the maritime industry

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46	Thetius and Lloyd's Register	No date	The benchmark: Measuring the progress of digital transformation in ship operations
47	Thetius and Marcura	Not stated	Beyond the hype: What the maritime industry really thinks about AI.... And where they're making it work
48	Thetius and OCEAN	No date	The bottom line: Why human capital management is the future of HR and crewing
49	Thetius and OneOcean	2026	Decision- optimized or overloaded? Rethinking the use of digital tools on a digitalised bridge
50	Thetius and OneOcean	2026	Competent or compliant? Seafarer readiness in modern maritime operations
51	Thetius and StormGeo	No date	Co-pilots of the sea: Exploring the human intelligence behind maritime AI
52	WMU	2023	Transport 2040: Impact of technology on seafarers. The future of work
53	WMU	2019	Transport 2040. Automation technology: employment the future of work
54	WMU	2026	Digital skills in maritime education and training: A global deep dive into people, skills, and readiness for change