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PA SAFE Steering Committee, 7 December, 2021

Human XFactor at Sea

October 2020 – September 2021

2nd Seed money call of the Interreg BSR

Human XFactor at Sea

Project name:	*Improving the understanding of the human factors in the current and future digitalized maritime environment to increase maritime safety*
Duration:	October 2020 – September 2021
Funding:	50 000 €
Lead partner:	University of Turku/Centre for Maritime Studies, FI
Project partners:	Lund University, SE Tallinn University of Technology, EE Chalmers University of Technology, SE

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Background

- During 2011 – 2018, over 25 000 ships were involved in accidents and almost 700 people lost their lives (EMSA 2019)
- In over 65% of these accident events, human factor was cited to be the cause, year in year out
- Despite all the technological development and other measures taken, the human factor remains the main cause of accident events
- Ironically, deployment of additional technologies may even increase the complexity of this sociotechnical system and new risks and challenges can emerge

Activities

Exploration of maritime operations to gain new knowledge and understanding, new perspectives of the way that safety is enacted and how the human factor contributes to it, both positive and negative

- A literature review on material safety, human factors, role of the seafarer, digitisation, automation
- Knowledge elicitation from different stakeholders and actors in 2 workshops, first one accommodated a wider maritime industry view, the second was for seafarers
- Gained data was analysed and categorised to identify the gaps and challenges

Achievements

- A comprehensive State of Play report was compiled
  - A view on the nature of maritime safety and the role of the human factor
  - Safety issues and the multiplicity of actors and stakeholders were recognized, their relationship and interactions, current and expected changes and challenges leading to
  - Identification of a number of salient research areas that need addressing
- These research topics were further elevated into a report on the Main project
- A report on pertinent funding sources

Human XFactor at Sea

Contact information

Kirsi Laitio
Centre for Maritime Studies
University of Turku
FI-20014 UNIVERSITY OF TURKU

Mob. +358 40 7799 483
E-mail: Kirsi.Laitio@utu.fi

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