



# Monitor, Detect And Improve Workforce Physical And Mental Health In Maritime And Marine & Offshore Industry

Key Focus Area: Crew Safety, Training and Wellbeing

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Workers and seafarers in the maritime industry are exposed to environments that could affect their physical and mental health and wellbeing, both onshore and at sea.

Onshore, workplaces such as ports and shipyards expose workers to physical risks such as noise, hazardous situations with heavy machinery, equipment or materials, adverse weather conditions and even confined spaces. Long hours and shift work often also add to fatigue and mental stress.

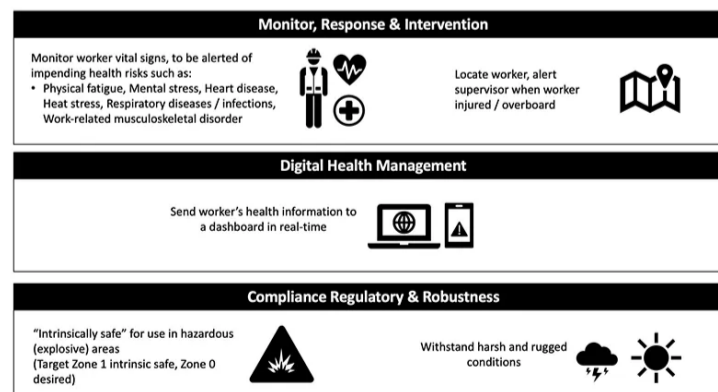
In addition to experiencing similar risks as those onshore, seafarers and marine crew that operate vessels such as tug boats, have limited access to timely medical help should an emergency arise. Seafarers sailing for long periods also lack access to good internet connectivity and people to talk to about their mental wellbeing.

Hafnia is looking to improve the mental health and wellbeing of its seafarers through remote access to counselling support (via live text/voice/video chat) and resources.

The Association of Singapore Marine Industries (ASMI) and the Workplace Safety and Health Institute (WSHI), part of the Occupational Safety and Health Division (OSHD) in the Ministry of Manpower (MOM), are seeking solutions that can remotely monitor workers' vital signs in order to alert supervisors of impending health and safety risks such as fatigue and mental stress, heat stress, potential heart and respiratory disease, as well as infections.

Solutions should be able to withstand harsh and rugged conditions, be intrinsically safe for use in hazardous (explosive) areas, economically viable for large-scale implementation, have minimal interference with daily operations of personnel, available in several common languages and deployable at sea and onshore.

### Desired Outcome:



A recording of the roadshow is available [here](#).

### Co-creator(s):

- [Association of Singapore Marine Industries \(ASMI\)](#)
- [Hafnia](#)
- [Workplace Safety & Health Institute \(WSHI\), Ministry of Manpower](#)