



MARITIME

DEVELOPING A SAFETY CULTURE

Tailored services to improve the way your company works with safety

We can help you see how your organisation is affected by human performance. Our safety culture development projects cover the entire process - from mapping the current culture through implementing changes to ensuring continuous improvement.

Scope of our safety culture development projects

There are several factors which impact the way a company handles safety or, in other words, how the culture in the company supports safe operation. Our assessment can cover different aspects such as:

- Organisation and manning
- Workload analysis
- Human reliability analysis
- Leadership training
- Safety culture development
- Function-based bridge management
- Safety and performance through periods of change

In the end, we can tailor the service to your needs by including the different aspects around the human element. This may cover the use of in-house engineering and psychological experience.

Workload analysis

In order to strike a balance between optimizing safe performance, job satisfaction and economic profits, it is essential that the amount of workload is kept to a manageable level. Through performing a workload analysis, we can help determine whether the number of staff is sufficient, whether they are capable of handling emergency tasks and whether they have the ability to perform any additional tasks. Such an analysis helps justify the amount of work divided across shifts, across roles, responsibilities

and priorities, across emergency and daily situations, as well as across operators and bridge systems.

Human reliability analysis (HRA)

For any major accident scenario, it is essential to account for and manage the potential for human error. We can help you achieve this by performing a human reliability analysis, a qualitative assessment that identifies the likelihood that a person will err while performing a particular task. This involves analysing whether and how performance-shaping factors (PSFs) influence human behaviour. We then determine how these PSFs can be optimized in your organization so that operators are best supported in performing their tasks. This will contribute to minimizing the likelihood of human error.

Function-based bridge management (FBBM)

Traditionally, the bridge has been an autocratic working environment. Without reducing the captain's role or responsibility, it is a challenge to ensure the entire bridge crew is utilized. Through function-based bridge management (FBBM), the tasks on the bridge are described and attached to roles rather than persons. FBBM provides a proactive adjustment of bridge manning and gives the officer in command spare capacity to cope with unexpected events. We can tailor FBBM, which has been in use for more than ten years in some segments with great success already, to all areas of the maritime industry.