DNV·GL

SAFER, SMARTER, GREENER



MARITIME AND OIL&GAS

HAZARD INDENTIFICATION (HAZID) FOR AUTOMATION SYSTEMS

Identify and mitigate your digital risks

The assets offshore are becoming increasingly digital, creating new digital risks and opening substantive new trust gaps. By performing an automation HAZID workshop, risks are identified at an early stage.



Workshop

Combining domain knowledge and system expertise from asset owners, operators and manufacturers together with DNV GL's expertise on Automation Systems and as workshop facilitators is a good starting point for your digital implementation.

DNVGL will:

- Collect and review the relevant documentation to understand the automation system topology, the interfaces and signals between the different systems and the Controland Safety System functionality.
- Invite the relevant parties and facilitate the workshop.
- Document the hazards identified during the workshop.

Methods

Both Failure Mode and Effect Analysis (FMEA) and System Theoretic Process Analysis (STPA) can be used to identify the relevant hazards:

- FMEA is a bottom-up approach starting at a low level of the product or process and working it's way up to the effects to the system or subsystem.
- STPA is a top-down approach and considers more than just component failure events although these are also included.



CONTACT

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