Wednesday 6 March 2019, Bergen, Norway

Workshop on LIQUID HYDROGEN SAFETY

LH_2 safety – production, transport and handling:

A joint initiative by the projects
Safe Hydrogen Fuel Handling and Use for Efficient Implementation (**SH_2IFT**) and
Pre-normative Research for Safe Use of Liquid Hydrogen (**PRESLHY**)

Illustration courtesy of Kawasaki HI

PRESLHY SH2IFT hySafe INTERNATIONAL ASSOCIATION FOR HYDROGEN SAFETY

Workshop on Liquid Hydrogen Safety

Fantoft, Wednesday 6 March 2019

Safe H_2 Fuel Handling and Use for Efficient Implementation

Objectives

- Increase competence within safety of hydrogen technology, GH_2 and LH_2
- Focus on handling and use of large volumes and within closed and semi-closed environments and in maritime transport
- Identify obstacles and bottlenecks for early implementation of H_2 as fuel.

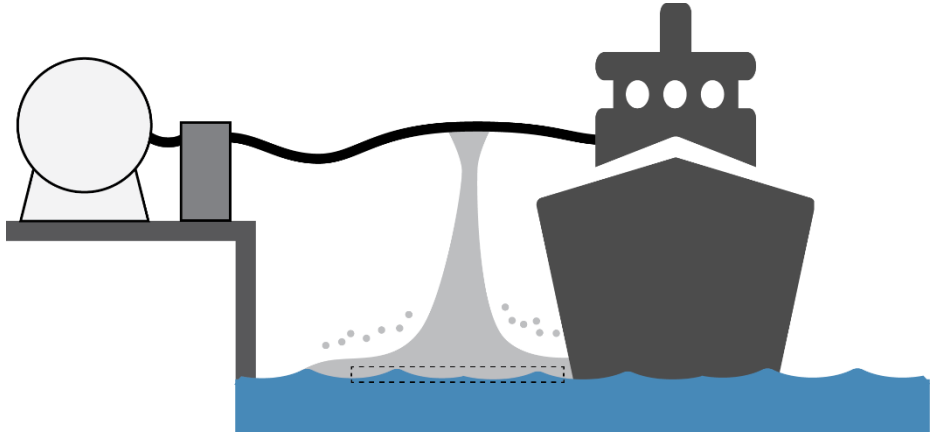
=> Recommendations and guidelines for technical safety and public information

Research activity

- Study concerns and potential barriers regarding introduction of hydrogen technology.
- Experimental work on jet fires, RPT and BLEVE, as input to modeling work and guidelines.

Jet Fire

Rapid Phase Transition



Boiling Liquid Expanding Vapour Explosion