

Liquid Hydrogen Storage

This sub-project focuses on investigating large scale liquid hydrogen storage technologies.

The following questions will be answered:

- 1) Can an LNG terminal be retrofitted for hydrogen? If yes, identify critical components and find solutions. If no, develop building blocks for the design a liquid hydrogen terminal.
- 2) How to economically recondense boil-off hydrogen gas from a liquid hydrogen tank? A table-top lab prototype will be developed.

Vacancy:

We are seeking a PhD candidate with a background in mechanical engineering, chemical technology, or applied physics. A good background in classical thermodynamics and transport phenomena is a must. Since this position involves hands-on lab work, previous lab experience is preferred.

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