



Ship based carbon capture – SBCC

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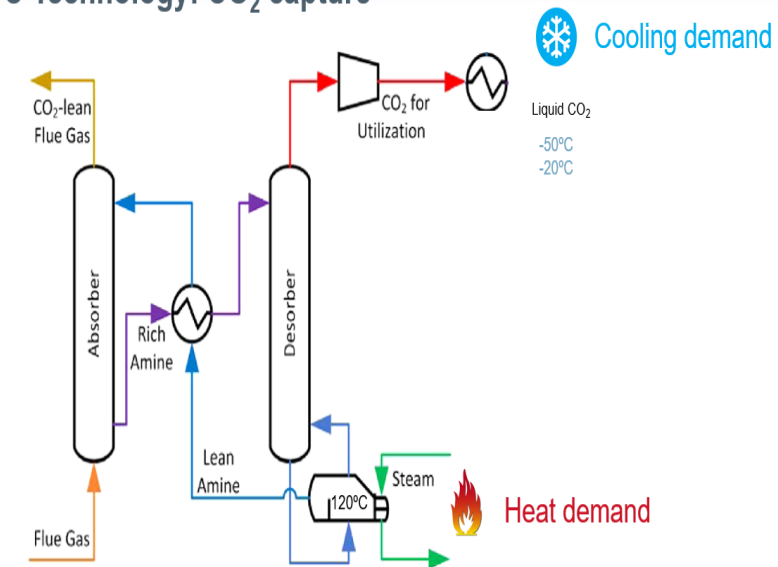
Objective

The objective of the EverLoNG project is to accelerate the implementation of the SBCC technology by,

- Demonstrating SBCC on-board in LNG-fueled ships.
- Optimizing SBCC integration to the existing shipping infrastructure.
- Facilitating the development of SBCC-based full CCUS chains.
- Facilitating the regulatory framework for the technology.

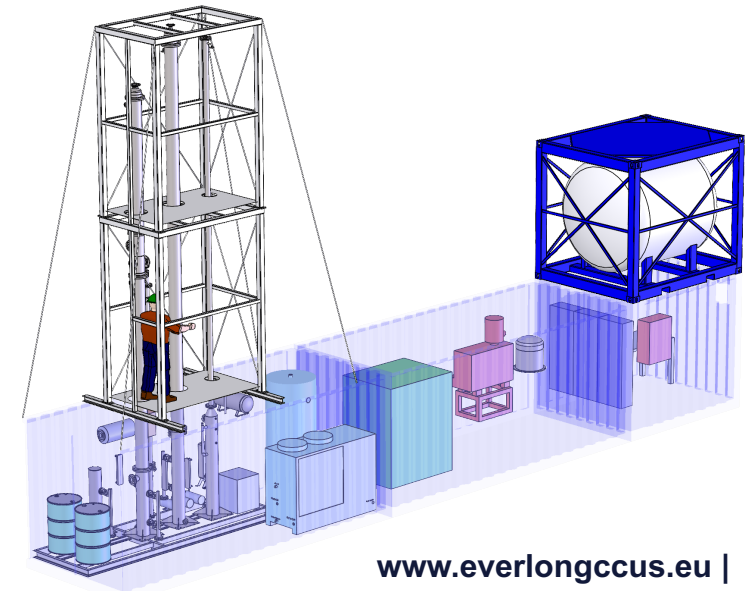
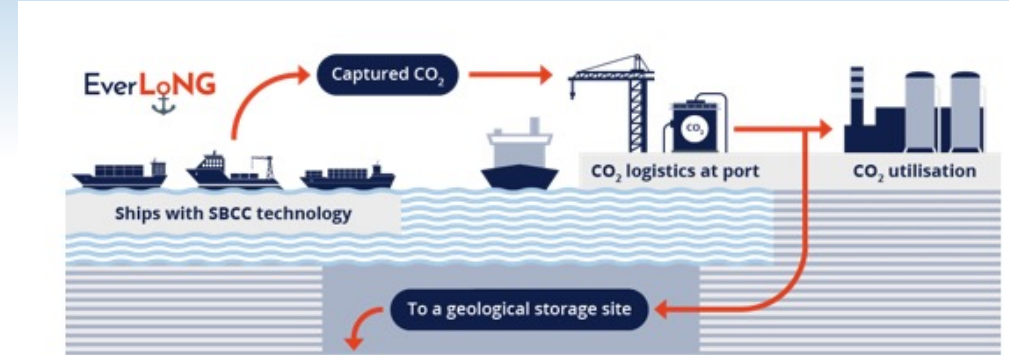


SBCC Technology: CO₂ capture



Activities and impact

- **WP1: Demonstration of SBCC prototype onboard of 2 ships**
 - Design and build prototype
 - Demo at Heerema's Sleipnir and TOTAL's LNG carrier
- **WP2: Full CCUS chain integration**
 - Develop offloading strategies & connection to planned storage infrastructure
 - Roadmap towards European off-loading network/Interoperability Industry Group
 - Investigate connection with storage and utilization projects/activities
- **WP3: Impact on existing ship infrastructure**
 - Two cases studied in detail (Sleipnir, TOTAL): conceptual design
- **WP4: Life cycle and techno-economic assessment**
 - For the 2 detailed cases
 - TEA: 1st of a kind, Nth of a kind (standardization)
- **WP5: Regulatory framework for SBCC**
 - Gap analysis in existing regulation
 - Risk analysis (HAZID, HAZOP)
 - Disseminate SBCC among international regulatory regimes



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