# GIIGNL 76TH TSG MEETING
# LCO2 TERMINALLING TASK FORCE

28/11/2024

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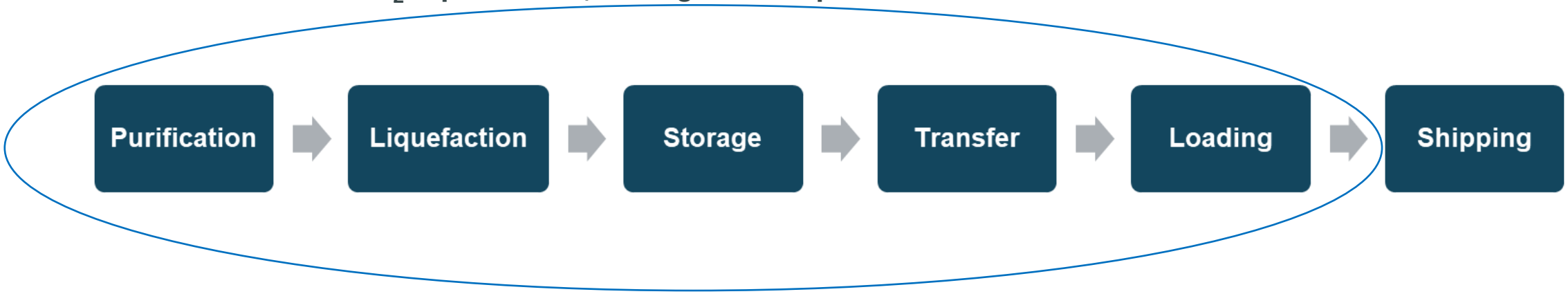
# GIIGNL task force LCO2 Terminalling - members

## Task force members:

- **Elengy (Co-coordination):** Ghislain Caudron, Yann Le Goc
- **Engie CRIGEN (Co-coordination)**: Audrey Hubert, Florencia Cappuro, Paul-Emmanuel Decroes, Hugues Malvos
- **BP:** Richard Ellis
- **Dunkerque LNG:** Sylvain Planteline
- **Equinor:** Ms Jingshhi (Ruan) Yang
- **Fluxys LNG:** Kim Stevens, Siegfried Spanhove
- **National Grid:** Philips Goke
- **Osaka Gas:** Mr Masayuki (Masa) Hirabayashi
- **Sempra Infrastructure**: Anthony Scaraggi
- **Shell:** Ms. Raha Alikhanbagi, Pablo Vega Perez
- **Tokyo gas:** Shogo Shimizu
- **TotalEnergies:** Olivier Pasteau, Stéphane Dubois du Bellay, Ginès Petit

# GIIGNL task force LCO2 Terminalling - objectives

**The task force focuses on $CO_2$ liquefaction, storage and export from LNG terminals**




## Task force's objectives:

- Evaluate the challenges and synergies brought by combining onshore LNG receiving and CO2 liquefaction terminals.
- Define design principles considering the overall CO2 chain from capture to re-injection.
- Focus on onshore LNG Terminals but FSRU specificities will only be studied in a second phase – if interest is confirmed.

# GIIGNL task force LCO2 Terminalling – progress status

## What has been done so far?

- KOM occurred on the **3rd of June 2024**
- 2 work meetings were held since then in July and in October
- Participants agreed on **the table of content**
- First draft of some parts have been written
- The report writing and review in ongoing
- Next meeting in planed for **January**

## The coordination team would like to thank the participants for their strong contribution to the tasks force.

# GIIGNL task force LCO2 Terminalling – Contents

## Table of content

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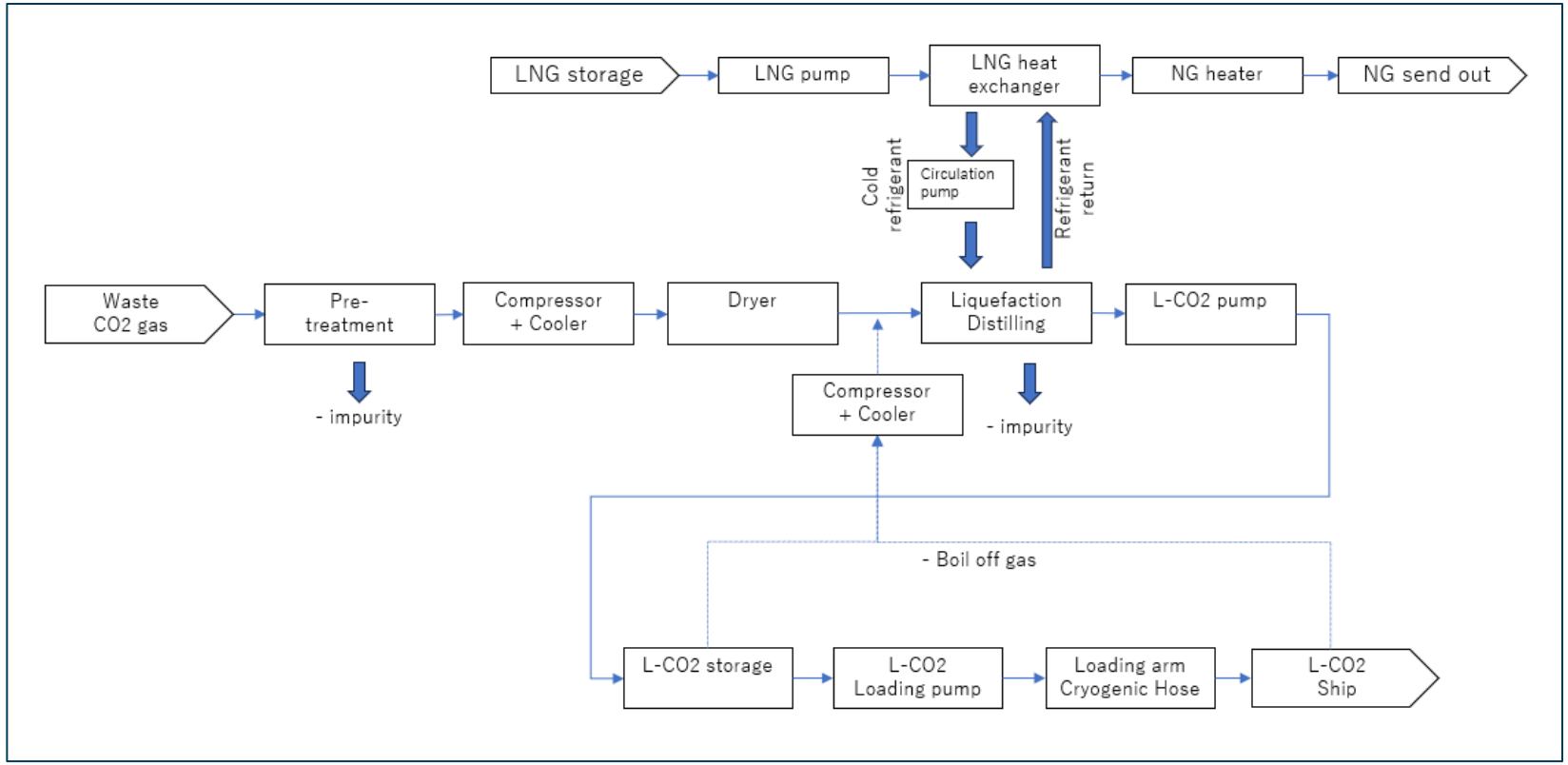
## Cold synergy LNG / LCO2 - details

1. Cold integration concept
2. Operational needs
3. Terminal schematic
4. Design recommendations, codes & standards



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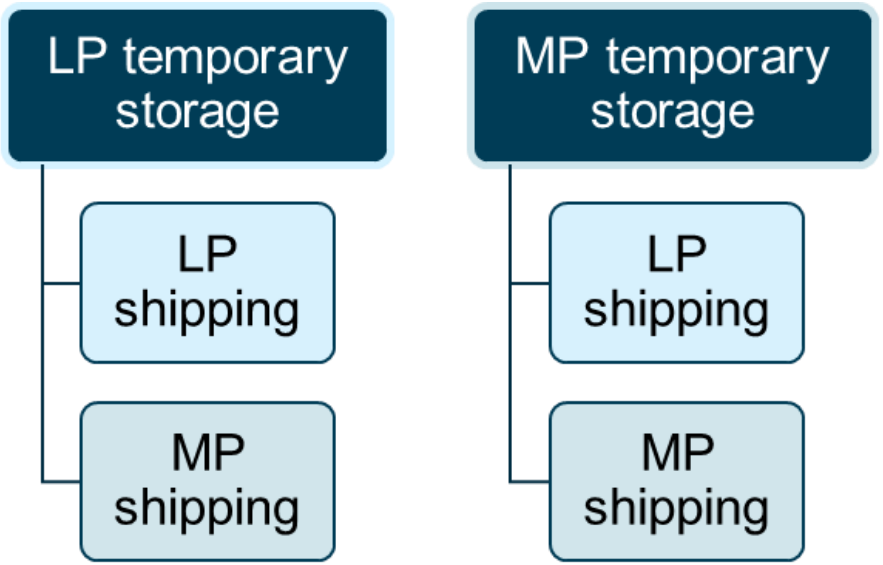
## Impacts on operations

1. Risk of CO2 freezing
2. Low and medium pressure management
3. Jetties & loading facilities



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