

INTERNSHIP LNG BUNKER SHIP



INTRODUCTION:

Due to new and updated regulations on air pollution, LNG market is growing constantly. And therefore needs for the development of LNG supply chain is in complete development.

Within this context, PRINCIPIA would like to define a new concept of bunker ship, for LNG bunkering of remoted areas.

SCOPE OF WORK:

The scope of work includes the 3 following tasks:

- ✓ State of the art and introduction to LNG related technologies
- ✓ LNG process system description
- ✓ Full loop design of one LNG bunkering vessel concept

State of the art and introduction to LNG related technologies

Review of existing LNG bunkering vessels as well as LNG transfer systems and containment will be performed. Objective will be to identify key components and assess main LNG challenges.

LNG process system description

Based on the state of the art review, a LNG system will be drawn with a special attention paid to safety concerns and operation ease.

Full loop design of one LNG bunkering vessel concept

Ship design spiral will be realized, including the following:

- ✓ General arrangement
- ✓ Integration of main equipment (LNG containment, transfer systems, propulsion)
- ✓ Hull structural design (midship section definition) and weight estimate
- ✓ Preliminary stability assessment

DELIVERABLES:

1 - Technical report including

- ✓ Documentation about the technological choices
- ✓ Main assumption and design parameters
- ✓ Calculation outputs

2 - 3D Model of the ship and associated 3D views (RHINO)

GENERAL:

Based in PRINCIPIA offices at La Ciotat (13).

To apply : job@principia.fr