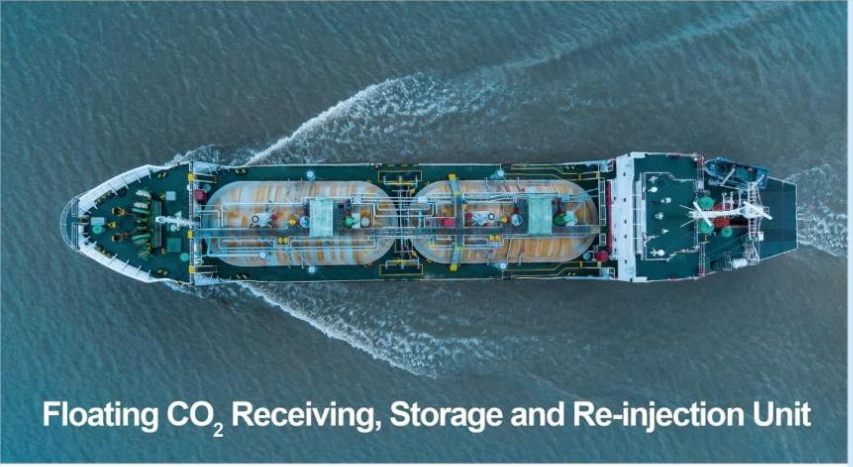
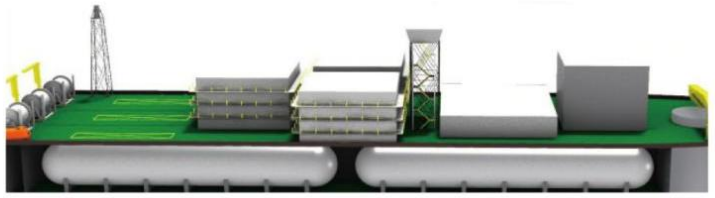


Floating CO_2 Receiving, Storage and Re-injection Unit



LCO_2 Receiving (STS Transfer)

Capable of transferring | 10bar, -40degC

LCO_2 Storage

5,000 m3 (5,750 tonnes) each Type C Tank | 70,000 tonnes of storage | 10bar, -40degC

CO_2 Re-injection

CO_2 Re-injection flowrate and pressure variable based on wellhead study

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C-LNG Solutions Pte. Ltd.

2 Venture Drive, #09-09, Vision Exchange, Singapore 608526

inquiry@clngsolutions.com

http://www.clngsolutions.com

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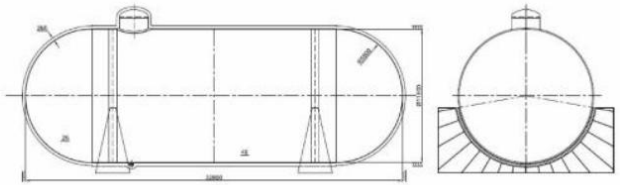
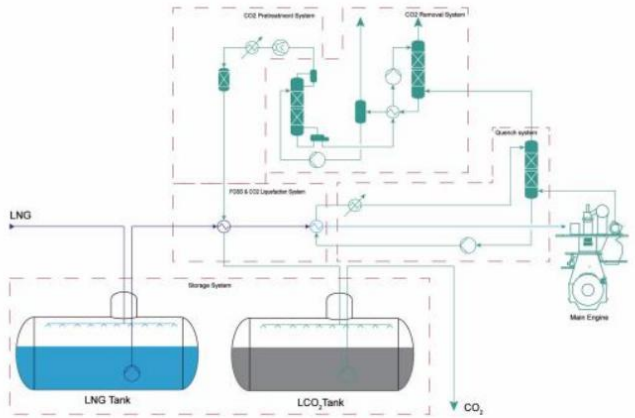
LCO_2 Storage Tank Design & Fabrication



Technical Specifications	
Tank Volume:	3500 m³
IMO Tank Type:	Type C
Design Temperature:	-40℃
Design Pressure:	19 barg
Tank Material:	P690QL2

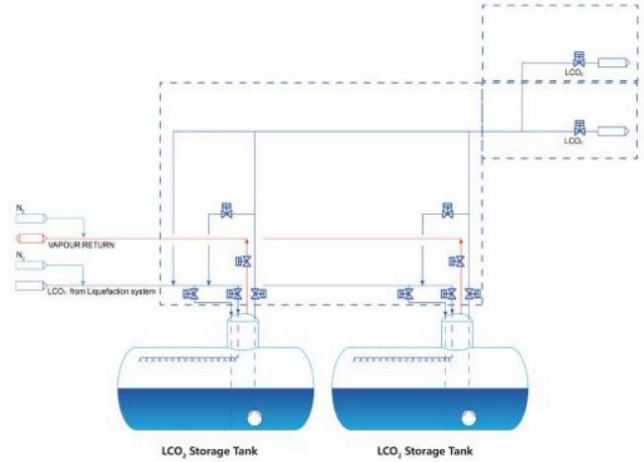
Carbon Capture & Storage (CCS) System



Technical Specifications	
CO_2 Recovery :	≥85%
Power Consumption:	265kW/t CO_2
Heat Consumption:	1250kW/t CO_2

FGSS combined with CCS consists of gas quenching, CO_2 absorption, solvent regeneration, CO_2 pre-treatment, liquefaction and storage. The heat source for solvent regeneration can be supplied via low pressure steam.
Dedicated CCS system can also be supplied without the supply of FGSS.

LCO_2 Carrier & Cargo Handling System



The CO_2 offloading and handling system consist of CO_2 loading / unloading pipelines, unloading pumps, mooring system and control and automation system.
Filling of CO_2 to individual tank and transfer of CO_2 between tanks is also possible.

Technical Specifications	
Unloading Rate:	≥200m³/h
Design Pressure:	2.16MPa
Design Temperature:	-20℃

LCO_2 Carrier