LNG SOLUTIONS FOR A GREENER FUTURE

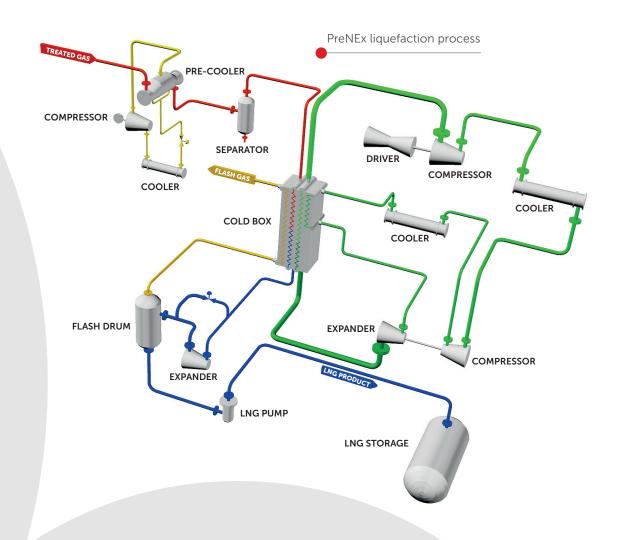


ABOUT KEPPEL OFFSHORE & MARINE

Keppel Offshore & Marine is a global leader in ship repair and conversion, specialised shipbuilding, and offshore rig design, construction and repair.

Through our design and technology units Gas Technology Development and Marine Technology Development, we have brought together our Research & Development capabilities and marine conversion expertise to develop a suite of gas solutions.

By providing robust solutions that can effectively bring *Gas to Liquid, Liquid to Gas, Liquid to Users, Gas to Power* and utilise *Gas as Fuel*, we aim to be the provider of choice for Liquefied Natural Gas (LNG) solutions to meet the world's growing demand to monetise LNG in a fast and cost efficient way.



Prenex COST EFFECTIVE LIQUEFACTON SOLUTION

PreNEx (Pre-cooled Nitrogen Expansion) is Keppel's proprietary natural gas liquefaction technology. It offers a *simple, safe and reliable* alternative to other nitrogen expansion processes, and can be employed for offshore and onshore purposes such as Floating LNG (FLNG) and land-based LNG facilities.

GAS TO LIQUID

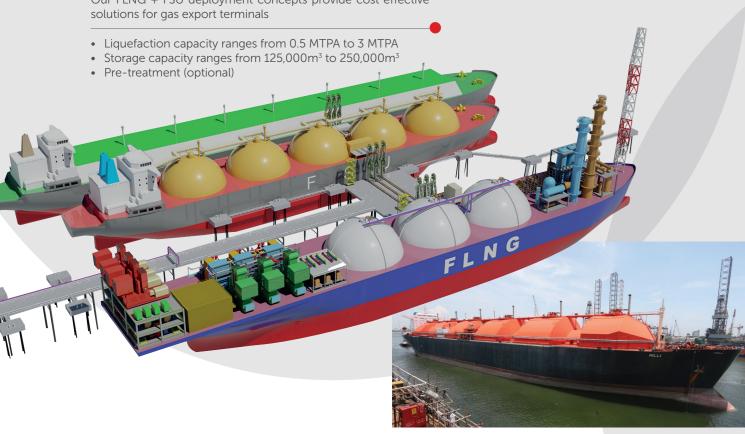
Liquefaction solutions

Economical, safe and guick to market - Keppel's innovative offshore and onshore liquefaction solutions address the growing midstream needs of the LNG industry. It is a result of Keppel's proprietary liquefaction technology, PreNEx, and over 35 years of experience and expertise in conversion and modularisation.

Offshore solutions

9 Office 10 E-House 11 Substation

Our FLNG + FSU deployment concepts provide cost effective



Moss-type LNG carrier, the HILLI, undergoing the world's first conversion into a FLNG facility by Keppel

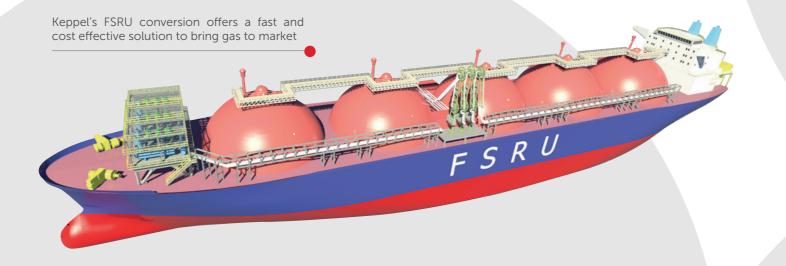
Onshore solutions We offer micro liquefaction plants in a "kit-form" that can be scaled to suit customers' needs 1 Ground Flare 2 Cooling Tower 3 Gas Pre-Treatment 4 Cold Box 5 Storage Tanks 6 Pre-Cooling and LNG Module 7 Compressor Module 8 Liquid Nitrogen Storage Tank



Keppel completed the world's first Floating Storage Regasification Unit (FSRU) conversion in 2007



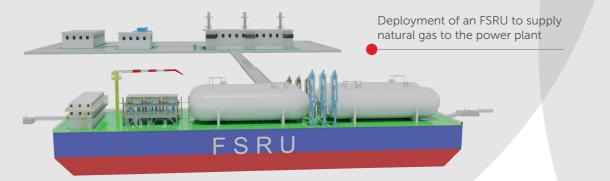
Floating Storage Unit (FSU) converted for Malaysia's first regasification terminal



LIQUID TO

Regasification and storage solutions

We have a strong track record in the conversion of Floating Storage and Regasification Units (FSRU), which enables our customers to bring their gas to markets in a fast and cost effective manner without relying on land-based terminals.



LIQUID TO **USERS**

Transportation solutions

With our experience as a specialised shipbuilder, Keppel has designed a range of robust carriers that can deliver LNG along shallow water rivers, coastal areas and inter-islands. Our designs for carrier/bunker vessels range from 3,000m³ to 30,000m³ capacity with non-propelled or self-propelled designs to meet a wide range of LNG transportation needs.





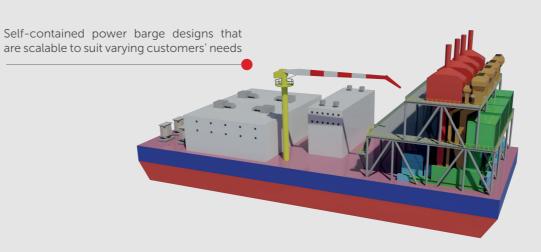
Our dual-fuel ASD tug design won the Outstanding Maritime R&D and Technology Award at Singapore International Maritime



GAS TO **POWER**

Bringing power to users

Our LNG-fuelled power barges are designed with enhanced efficiency and can be installed quickly and economically.



GAS AS **Engine conversion**

With the world embracing cleaner emissions, Keppel is well-placed to provide retrofit solutions and newbuild designs for dual-fuel

Awards 2015



World's first conversion of a large Ro/Ro vessel to dual-fuel (diesel/LNG) awarded to Keppel



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