





Outline of Mitsui O.S.K. Lines, "MOL"



Corporate Data

- Established in: 1884
- Head Office: Tokyo, Japan
- Group Employees: 8,931
- Group Companies: 471
- Public Company with

83,403 Shareholders

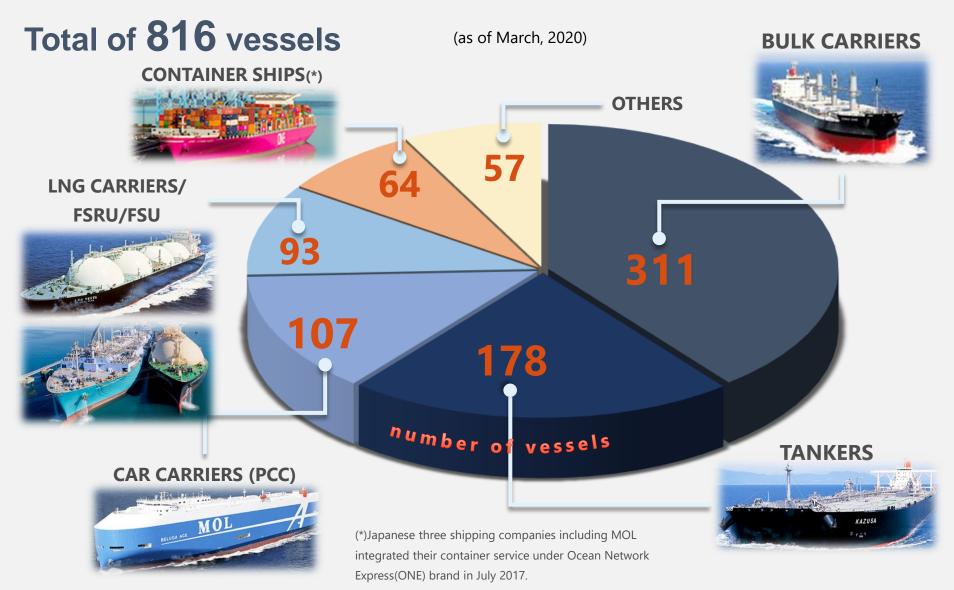
(as of March 2020)

Financial Highlights

- For the Year Ended March 2020
- ✓ Revenue : USD 10.7 Bil
- At the End of March 2020
- ✓ Total Assets: USD 19.4 Bil
- ✓ Total Net Assets: USD 5.9 Bil

Presence of MOL in various shipping fields



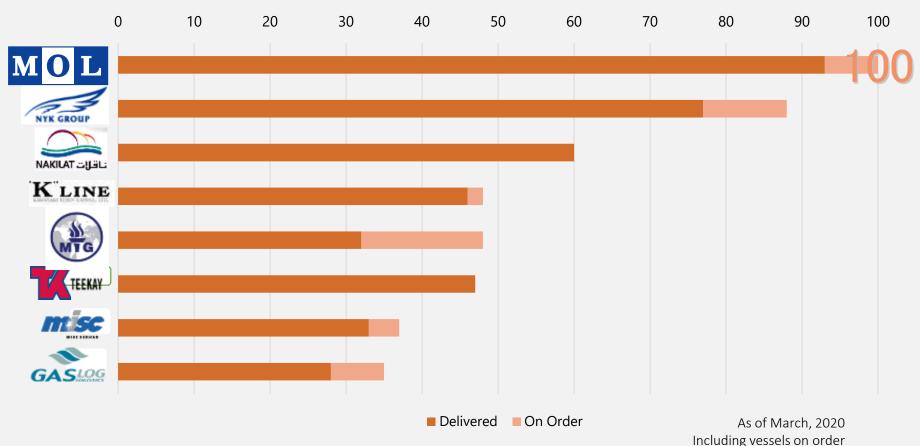


MOL in LNG Shipping Industry





MOL's LNG Fleet sums up to 100 (including FSRU), making MOL a leading player of the LNG shipping sector.



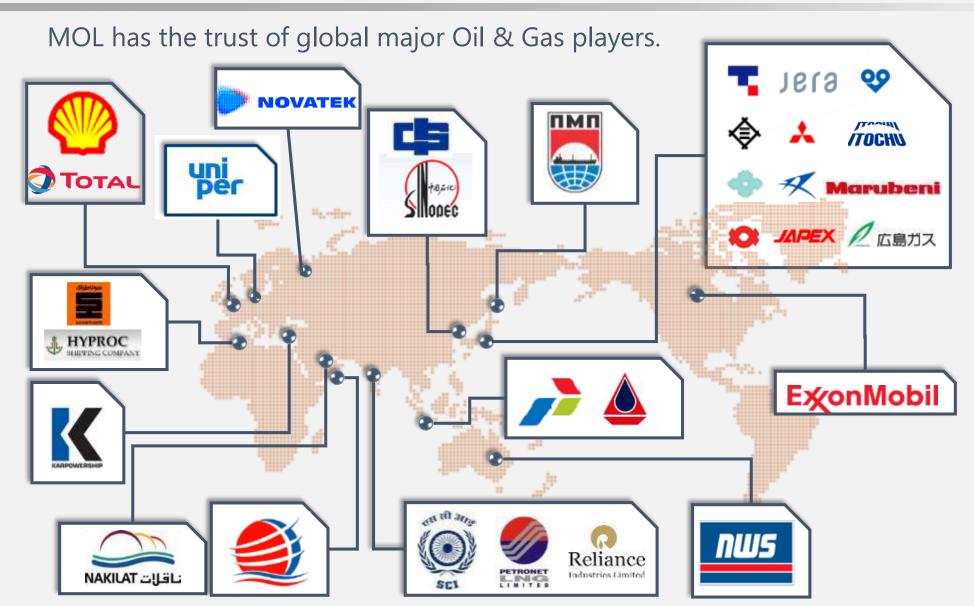
MOL Offshore Business





LNG related commercial Customer





MOL Service in LNG Value Chain



MOL contributes in the midstream of LNG Value Chain, in LNG Shipping, Receiving Terminal (FSRU/FSU)* and Powership.





MOL Mitsui O.S.K. Lines

Participate in 100 LNG Carriers

<u>5 FSRUs and</u>

Powership

Receiving Terminal



Powerplant



Exploration & Production

Gas Processing and LNG

LNG Shipping LNG Receiving Terminal

Gas Pipeline

Gas Fired Power Plant













^{*} FSRU/FSU = Floating Storage (Regasification) Unit





LNG to Powership Solution







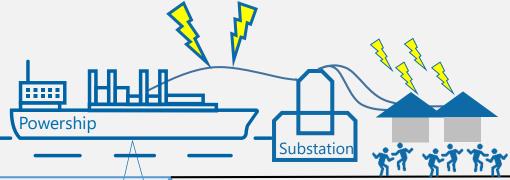








Pipeline



Deliver LNG to FSRU

Regasify LNG on FSRU

Generate electricity on Powership

Provide electricity to households

Off - taker

What is Powership?

MOL

- ➤ A Powership is a **floating power plant**, either self propelled or barge mounted
- Karpowership owns and operates the world's only floating power plant fleet
- Powerships can operate on both Natural Gas/LNG and Heavy Fuel Oil
- Powerships deliver the most competitive all-in cost of electricity
- Powerships can be delivered in 3 6 months ready to generate electricity
- 20 completed Powerships with an installed capacity exceeding 3,100 MW, operating across Middle East, Asia, Africa, the Caribbean and the Mediterranean













































LNG to Powership solution provider

LNG Transporter / FSRU Provider



MOL FSRU Challenger(World biggest FSRU) STS operation

Powership Owner/ Builder/ Operator



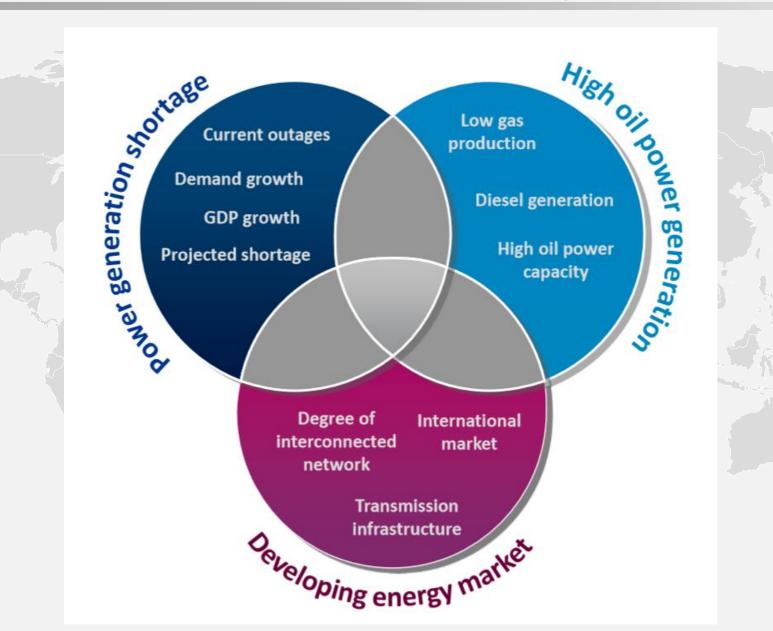
Karpowership's Onur Sultan operating in Indonesia

MOL and Karadeniz set up joint venture named "Karmol" and cooperate with LNG to Powership Business activity



LNG to Powership Opportunity





LNG to Powership - Strengths



FAST TRACK

- To be delivered in 3 6
 months ready to generate
 electricity
- Faster to get Authority permissions than onshore facility
- Supplying LNG based power to locations not served by permanent LNG inflastructure

ON DEMAND

- Maximized Flexibility on electricity supply
 depending on demand (time, location, duration, output)
- Phased approach
 HFO to LNG
- Turn-key solution

COST EFFICIENT

- Improvement of carbon foot print
 - Leaner & Greener
- No Capital Investment
- Bridge solution
 - To identify the effect
 - Until land based power plant establishment



FSRU Construction





MAP MOL LINGT POWERSHIP AFRIC A



General View

General View

General View From Port-Regas Unit



General View from Port side



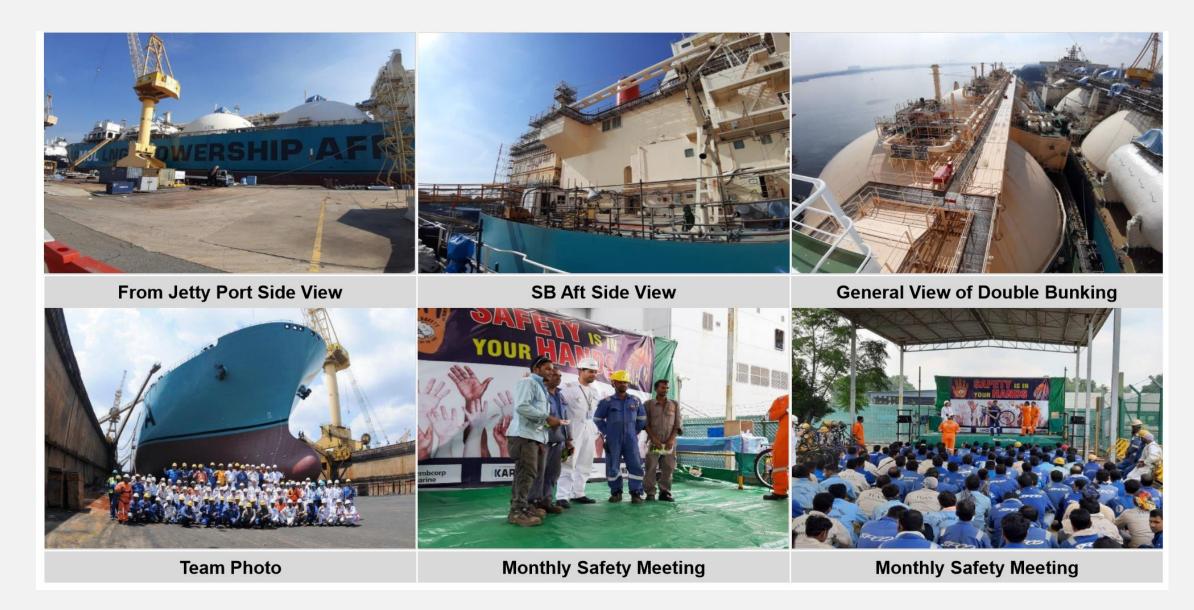
DF Module general view Port side



DF Module General View-Stbd

FSRU Construction





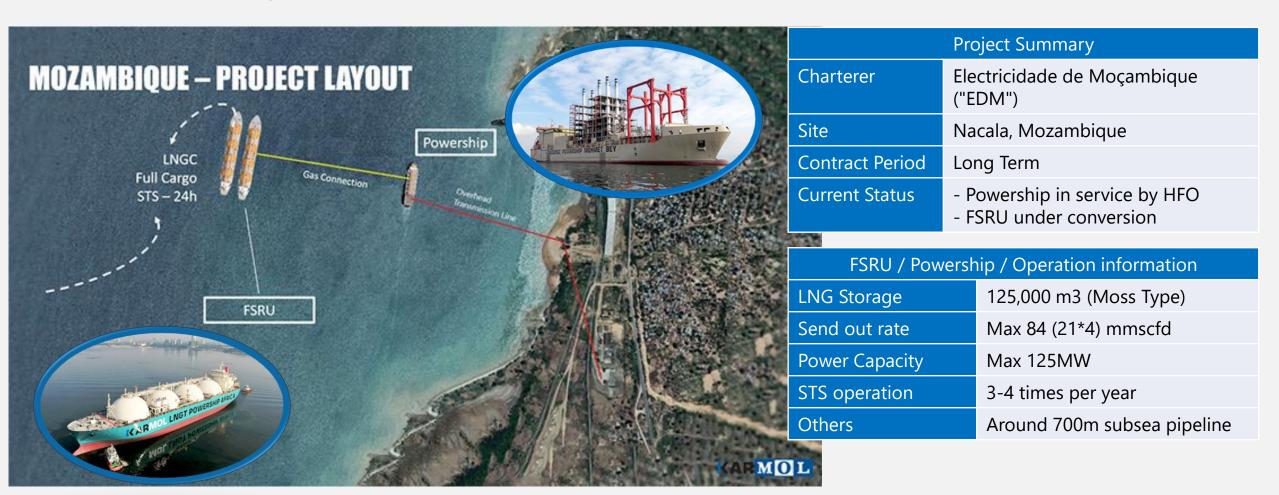


FSRU under Conversion



Project Sample - Mozambique Project-

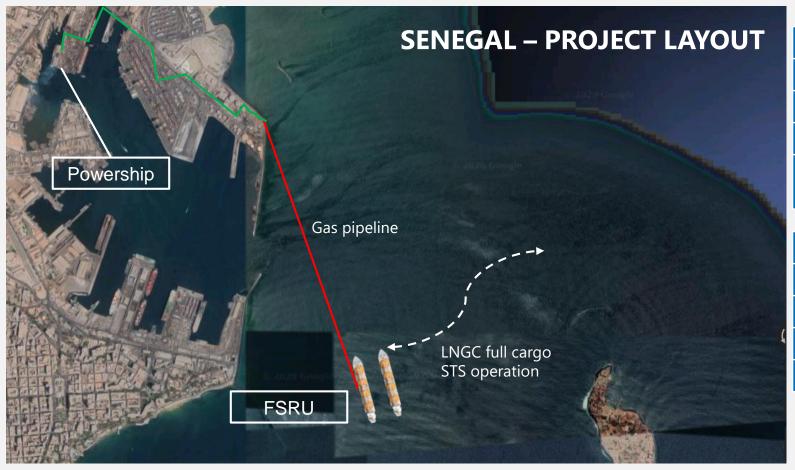
The first LNG-to-Powership® solution and FSRU project in Eastern and Southern Africa will be based in Nacala, Mozambique. The project contributes to the national strategy of Mozambique to generate electricity for industrial development and energy access. MOL and Karpower with jointly own and operate the FSRU and Powership®.





Project Sample - Senegal Project-

Senegal is our second project location as KARMOL LNG-to-Powership solution. The project contributes to the national strategy of Mozambique to generate electricity for industrial development and energy access.



	Project Summary
Charterer	Senelec
Site	Dakar, Senegal
Contract Period	Mid term (with option)
Current Status	Powership in service by HFOFSRU under conversion

FSRU / Powership / Operation information		
LNG Storage	125,000 m3 (Moss Type)	
Send out rate	Max 84 (21*4) mmscfd	
Power Capacity	Max 225MW	
STS operation	5-8 times per year	

