# Investment in FPSO Charter Projects for Petrobras in Brazil



May 14<sup>th</sup>, 2018 Mitsui & Co., Ltd.

# **Agenda**



- 1. Core Business of the Infrastructure Project Business Unit
- 2. Activities in offshore Oil & Gas infrastructure sector
- Project Outline
- 4. What is FPSO?
- Business Environment
- 6. MODEC Strategic Partner for FPSO/FSO Business -
- 7. Mitsui FPSO/FSO Projects

# 1. Core Business of the Infrastructure Project Business Unit





# 2. Activities in offshore Oil & Gas infrastructure sector





## **Strength**

- Strong collaborative framework with MODEC
- Abundant project achievements for Petrobras (Brazil)
- Stable earnings from 18 FPSO\*/FSO

# **Growth Initiatives**

- Raise operating rates, lower costs
- Win new orders for FPSO
- Extend offshore energy domains (subsea business\* etc.)

\*FPSO: Floating Production, Storage & Offloading System

\*Subsea business : Service business for subsea oil and gas production equipment

# 3. Project Outline

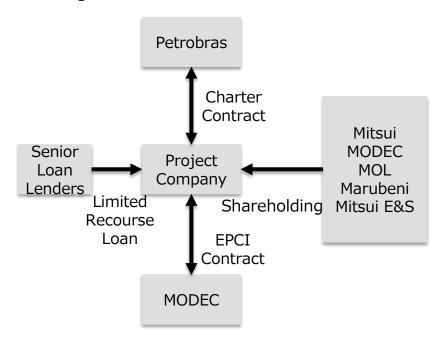


Mitsui is participating in two project companies for a long-term charter business for the purpose of providing FPSOs for use in the Sepia field and Mero field off the coast of Brazil operated by Petrobras. Mitsui's equity interest in both FPSO projects is 32.4%.

# <Field Location>

# Rio de Janeiro Rio de Janeiro

# <Project Structure>



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# 3. Project Outline

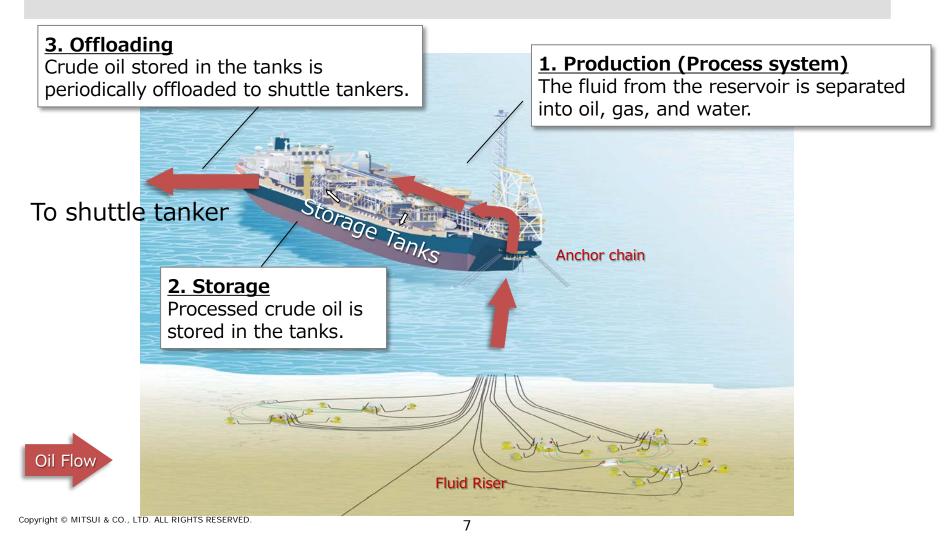


	FPSO for Sepia field	FPSO for Mero (former Libra) field			
Participation Date	Jan 9 <sup>th</sup> , 2018	May 11 <sup>th</sup> , 2018			
Field	Sepia pre-salt field, in Santos Basin (Offshore Brazil)	Mero pre-salt field, in Santos Basin (Offshore Brazil)			
Field Owner	Petrobras	Libra Consortium (Petrobras 40%, Shell 20%, Total 20%, CNPC 10%, CNOOC 10%)			
Charterer/ Operator	Petrobras	Petrobras			
FPSO Major Specification	Vessel type : VLCC Conversion Storage Capacity : 1,400,000bbls Oil Production : 180,000bbls/day Gas Treatment : 6,000,000Sm3/day	Vessel type : VLCC Conversion Storage Capacity : 1,400,000bbls Oil Production : 180,000bbls/day Gas Treatment : 12,000,000Sm3/day			
Contract Term	Firm 21 years	Firm 22 years			
Shareholding Ratio	Mitsui       : 32.4%         MODEC       : 20.1%         MOL       : 20.6%         Marubeni       : 17.6%         Mitsui E&S       : 9.3%	same as on the left			

# 4. What is FPSO?

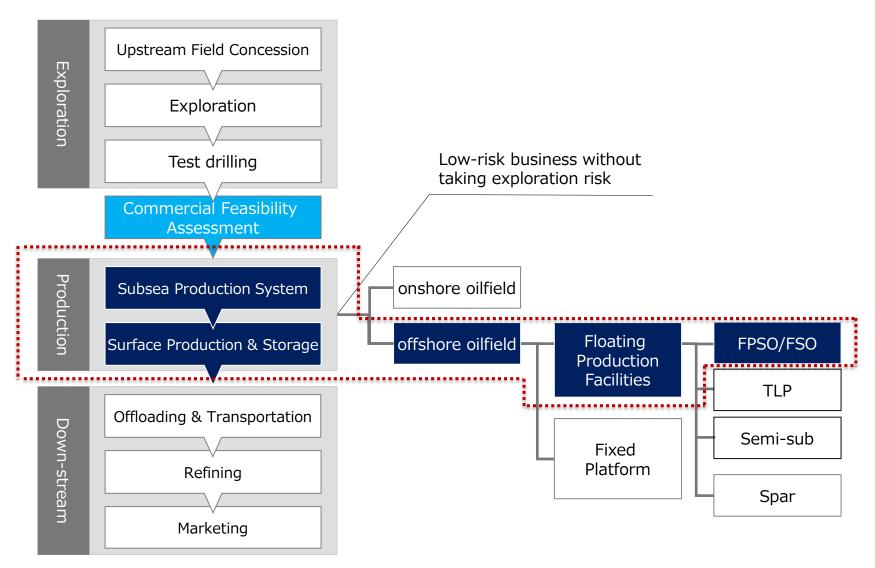


# FPSO = <u>F</u>loating, <u>P</u>roduction, <u>S</u>torage and <u>O</u>ffloading System



# 4. What is FPSO?

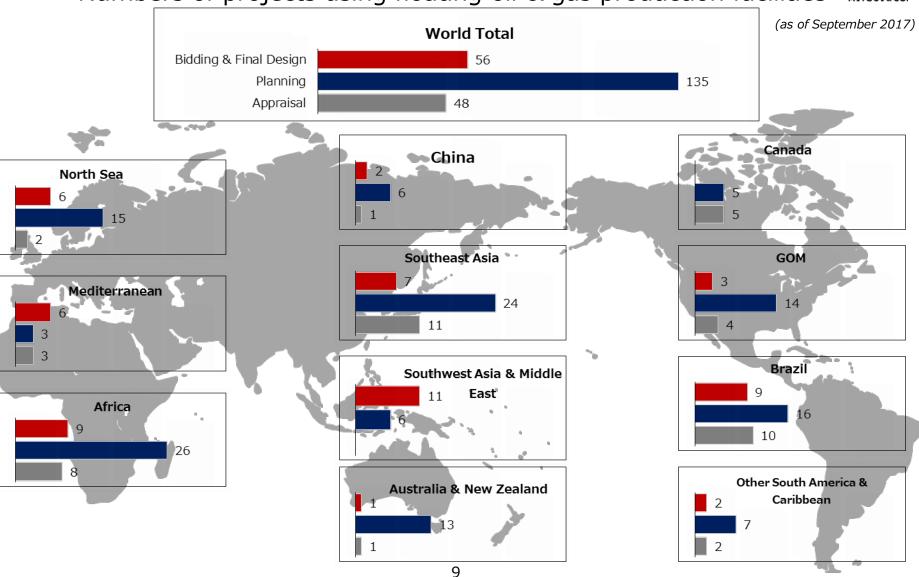




# 5. Business Environment



- Numbers of projects using floating oil & gas production facilities - MITTSUIL CO.



# 6. MODEC - Strategic Partner for FPSO/FSO Business -



**Company Name** MODEC, Inc.

Capital 30,122.49 million yen

**No. of Employees\*** 157 (Consolidated: 4,065) \* Including contract employees

Main Business\*\* Own, Operation and EPCI of FPSO, FSO, FLNGs, TLPs, Semi-Submersibles,

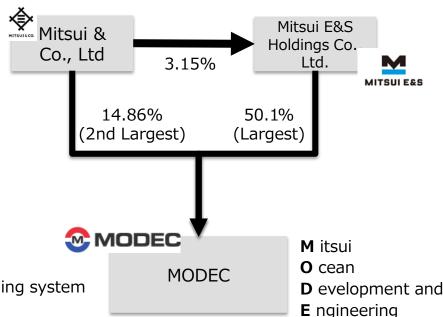
Mooring Systems and new technologies which will meet the challenges of oil and

gas production floaters.

#### **Financials**

(mil JPY)	2014/12	2015/12	2016/12	2017/12
Revenue	378,523	295,596	229,987	191,182
Net Profit	5,422	5,824	21,012	19,454
Total Asset	348,447	354,464	333,249	321,165
Net Asset	109,631	114,983	134,609	148,387

## **Shareholding Structure (2018/4/1)**



\*\* FPSO : FPSO - Floating Production, Storage and Offloading system

FSO : Floating Storage and Offloading system

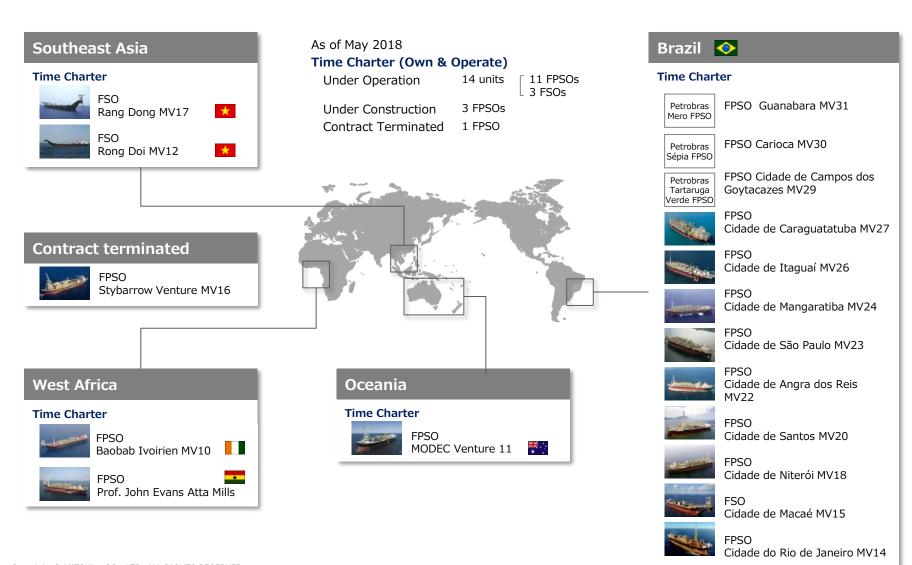
FLNG : Floating LNG

TLP: Tension Leg Platform

**C** ompany

# 7. Mitsui FPSO/FSO Projects





# 360° business innovation.

