

Opportunities in LNG

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Credit Suisse Investor Meeting

March 7, 2019



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Forward-looking statements

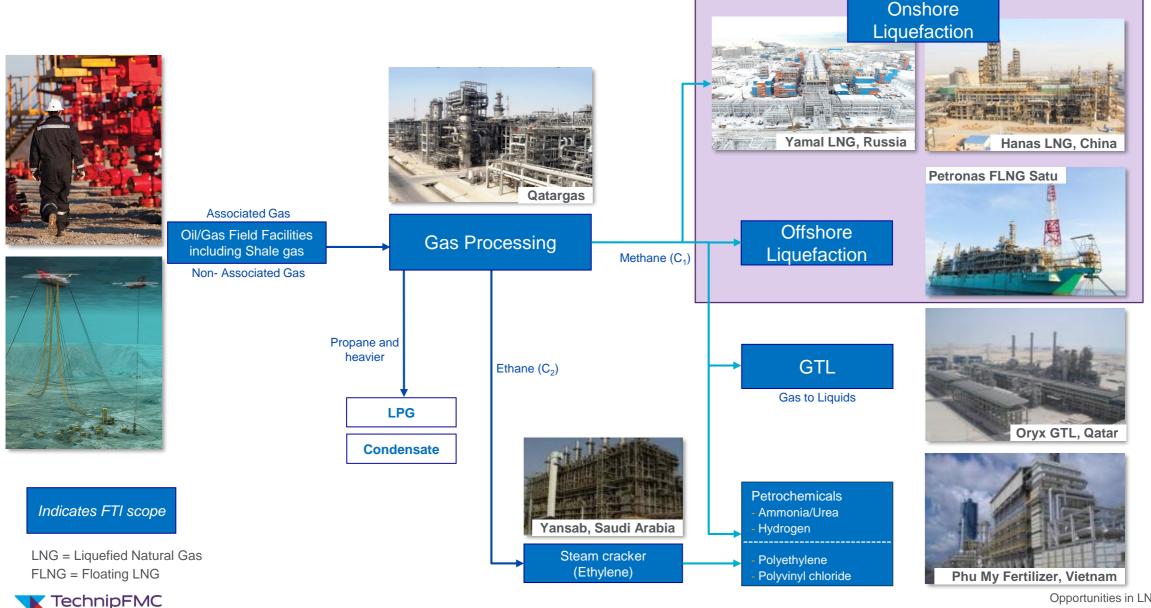
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TechnipFMC across the gas value chain



LNG: one of the fastest growing oil & gas markets













Upstream

Pipelines

Treatment, liquefaction and export terminal

Shipping

Regasification terminal

Distribution

Liquefaction train capacity reached ~8 Mtpa

Emergence of offshore (FLNG)

Feasibility of large-scale modularization

Large capital investments with low risk development strategies

- Long-term offtake agreements; established technologies
- ▶ High barriers to entry; established players with proven execution track record
- ▶ EPC / EPCM contracts; risk mitigation conservative industry

The future growth path for LNG

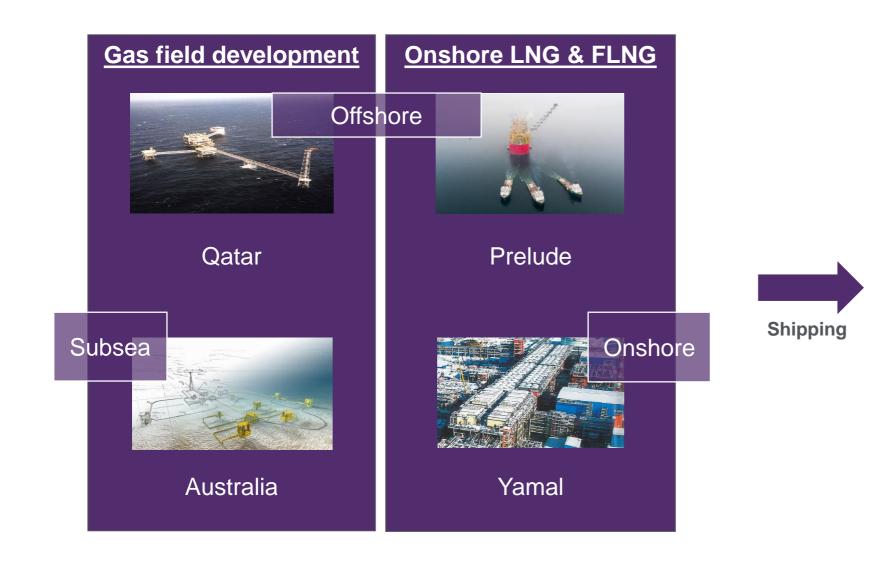
- Lower cost solutions for onshore / offshore liquefaction; offshore competitiveness comparable to onshore
- The emergence of small to mid-scale LNG

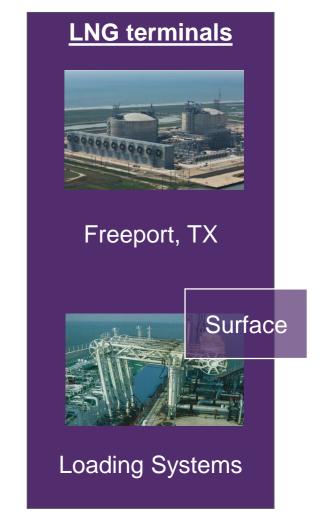
Since 2000, LNG trade has almost tripled in size from 100 Mtpa to around 300 Mtpa; ~7% CAGR

Mtpa = million tonnes per annum



TechnipFMC portfolio encompasses three links of the LNG chain







TechnipFMC growth potential driven by LNG market leadership

Leadership

>20%

7.8 Mtpa

Global production delivered

World's largest LNG of operating LNG trains delivered capacity⁽¹⁾

→ 50 year track record in LNG

- World's first LNG Algeria (1964)
- World's largest LNG trains Qatar
- Largest Arctic project Yamal

▶ Pioneer in floating LNG (FLNG)

- World's first FLNG delivered Petronas Satu in Malaysia
- World's largest floating vessel Shell Prelude in Australia
- New frontier Eni Coral in Mozambique



Differentiation

- → An integrated offering from wellhead to LNG loading
- Diversity in scale and technology
 - Solutions for remote locations; modularization methodology
 - Growing technology portfolio: loading arms, heat exchangers
- ▶ Presence in all regions with large gas reserves
 - Middle East
 - Russian Arctic
 - East/West Africa
 - North America
 - Asia Pacific

Next generation LNG/FLNG

Economic solutions for large scale reserves

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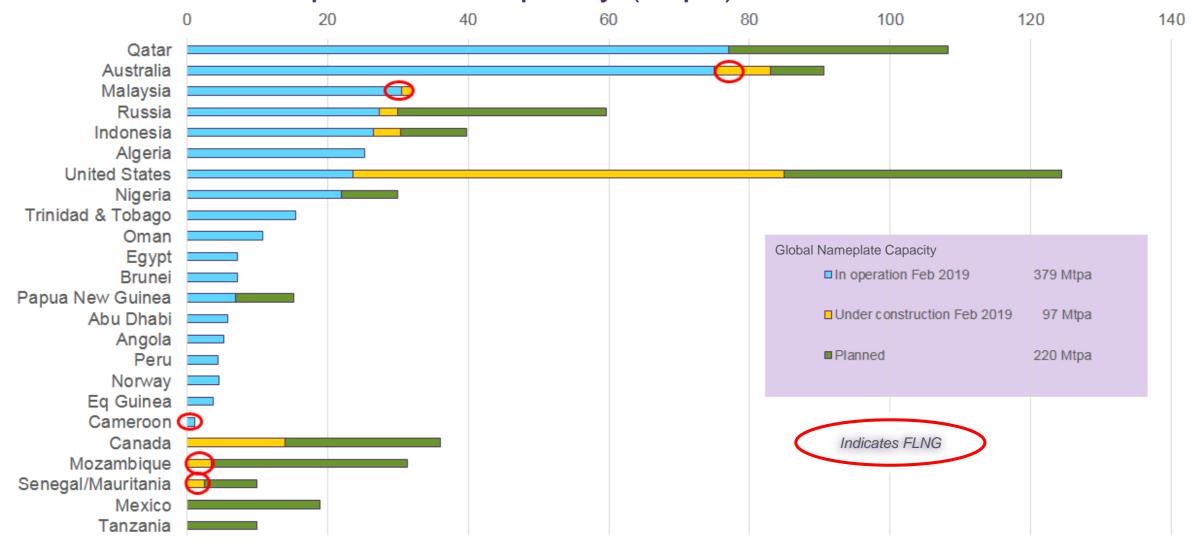


⁽¹⁾ Percentage is based on 71.5 / 340.2 Mtpa of TechnipFMC delivered and operating / industry operating capacity as of December 31, 2017.

Market overview



Future onshore LNG and FLNG export projects Estimated world liquefaction capacity (Mtpa)

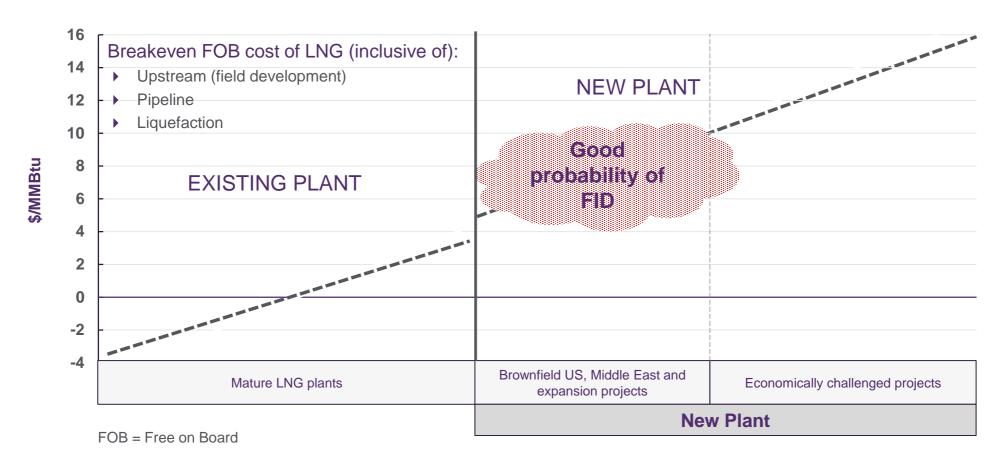


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LNG business environment – market drivers Russian Arctic Abundant resources from high productivity reservoirs Canada Loss of lower 48 natural gas market Qatar Moratorium lifted; North Field Expansion USA Shale gas and associated gas from shale oil has created a huge surplus available for export Asia-Pacific Expansion projects; helped by proximity to market Significant LNG liquefaction and export terminal opportunities in East & West Africa the near term Abundant deepwater gas reserves Opportunities in LNG | 9 TechnipFMC

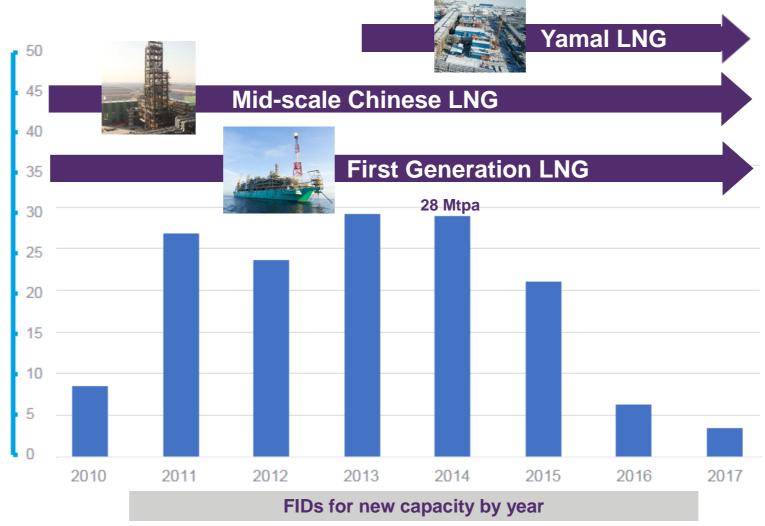
Projects with vastly different economics

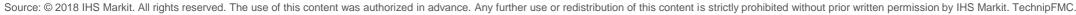


Only the most profitable projects are likely to move forward



The end of the era of high oil prices stalled investment but many lessons from this period are useful in the new environment







Building on our experiences for the recovery



First Generation FLNG

- ▶ FLNG feasibility demonstrated; increase revenue per m²
- Minimize on-deck module integration, including topside/hull interfaces
- Consider specialized yards for topsides



Mid-scale Chinese LNG

- ▶ Extensive procurement in China
- ▶ Lower risk profile allows for efficient quality control and assurance
- Standardize and enable repeatability



Yamal LNG

- ▶ Larger modules and FLNG-type design would have advantages
- Modularization on a large scale enables cost and schedule certainty in extreme locations
- Minimize cable pulling and other integration activities at site



Big strides in LNG equipment Initiatives born in the boom have reached maturity



Rotating equipment

- 2-shaft heavy duty gas turbines
- ▶ Large aero-derivative gas turbines



Cryogenic exchangers

Large capacities in single shell



Non-cryogenic exchangers

▶ Enhanced heat transfer surfaces

New cost-effective delivery models

FLNG

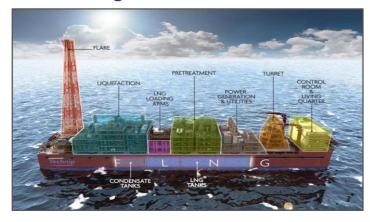
Mid-scale

Onshore export terminals



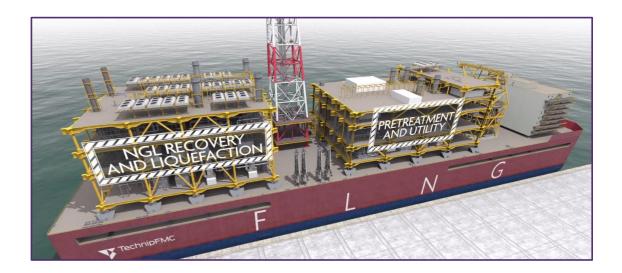
FLNG: preparing the new generation

Economic solution for large capacity A cost breakthrough in the short-term



Mid-scale FLNG for liquid rich gas Simple, robust and repeatable





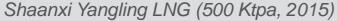
- ▶ Split construction, minimum interfaces
- Intensification

- Quayside completion of functional modules
- Productivity
- **FLNG** costs can be improved in many ways

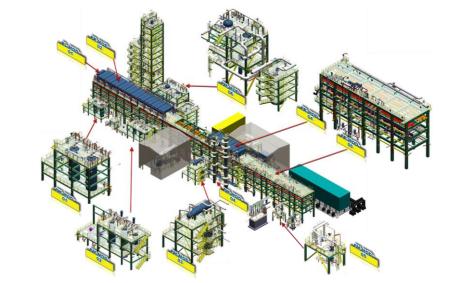
Current estimates suggest substantial cost reduction

Onshore mid-scale LNG Offering standardized and modularized units





- ▶ 0.3 2.5 Mtpa
- Number of modules adjusted according to location; single module possible
- ▶ Electric motor or gas turbine driver
- Air or water cooled

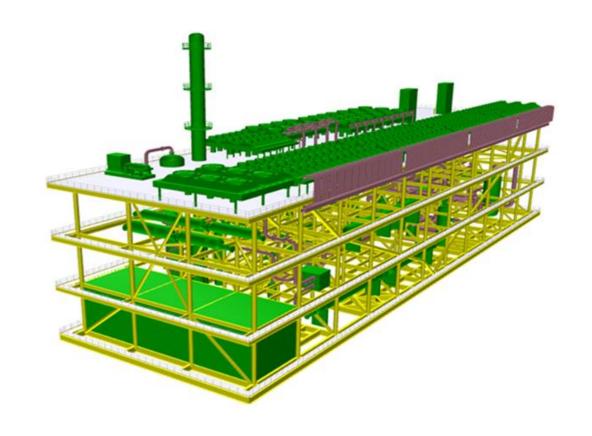






Onshore export terminals Offering high efficiency and reliable designs with potential modularization

- ▶ 5 Mtpa capacity in 3 modules
- Yamal-type execution with pre-commissioning in the yard reduces schedule and costs
- ▶ \$/tpa competitive in the US GoM

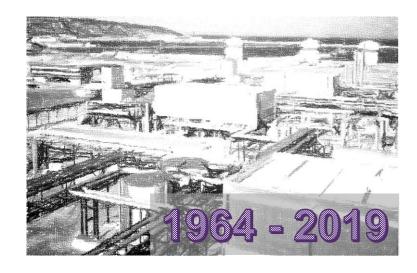


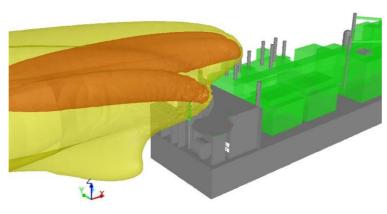


Summary – bringing it all together



TechnipFMC – multiple differentiators in LNG







Delivery certainty

- ▶ LNG leader & pioneer in FLNG
- ▶ 50-year delivery track record
- ▶ EPC culture capability

Technical ability

- Conceptual design / technology
- ▶ Engineering solutions
- ▶ Construction methodology

Experience diversity

- Modularization, FLNG
- ▶ Harsh environments
- Mid-scale to mega projects



TechnipFMC