

Mid-term Business Plan 2020

February 7th, 2018



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Mid-term Business Plan 2020

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Review of Previous Mid-term Business Plan (2015-2017)

Review of Previous Mid-term Business Plan (2015-2017) - Environment



Reduced number of projects due to low oil price and political instability in Brazil

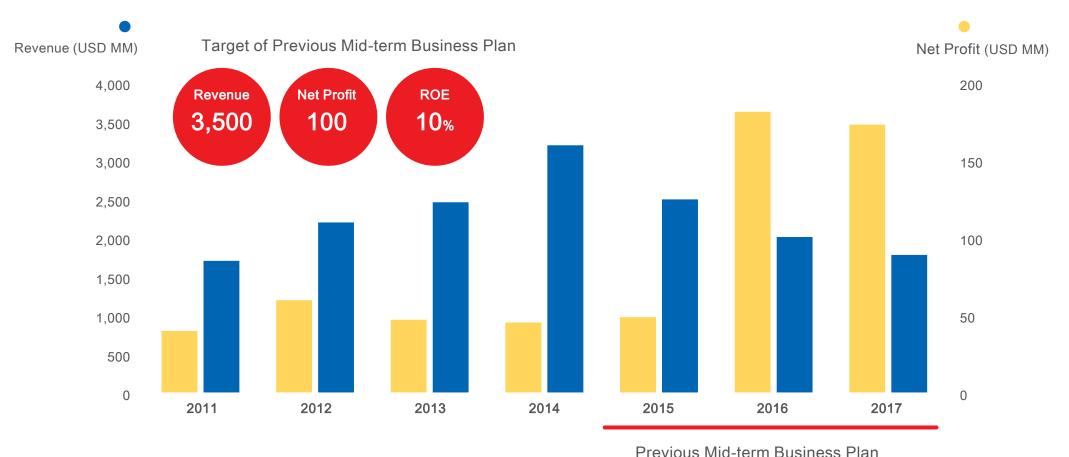


Previous Mid-term Business Plan

Review of Previous Mid-term Business Plan (2015-2017) - Result



Strong increase of net income despite the revenue drop



Review of Previous Mid-term Business Plan (2015-2017) - Activity



Action Plans were steadily achieved, and will be evolved into the new Mid-term Business Plan.

Asset Integrity Enhancement

- Enhanced asset management with active resource allocation.
- Achieved EPCI and O&M service which enable longer and more stable production by effective use of accumulated know-how in O&M for each FEED/EPCI/O&M.

Strengthened Competitiveness

- Improved EPCI cost competitiveness and shortened delivery time.
- Reduced cost of O&M.

Execution of R&D

- Continued research of technology for seabed mining.
- Continued R&D of technology for offshore wind power.
- Developed FSRWP®.

Efficient Organization

• Enhanced group cash management for efficient use of funds.

Asset Integrity: To provide with design, facility and production service for long-term safe & steady oil and gas production.

FEED: Front End Engineering Design



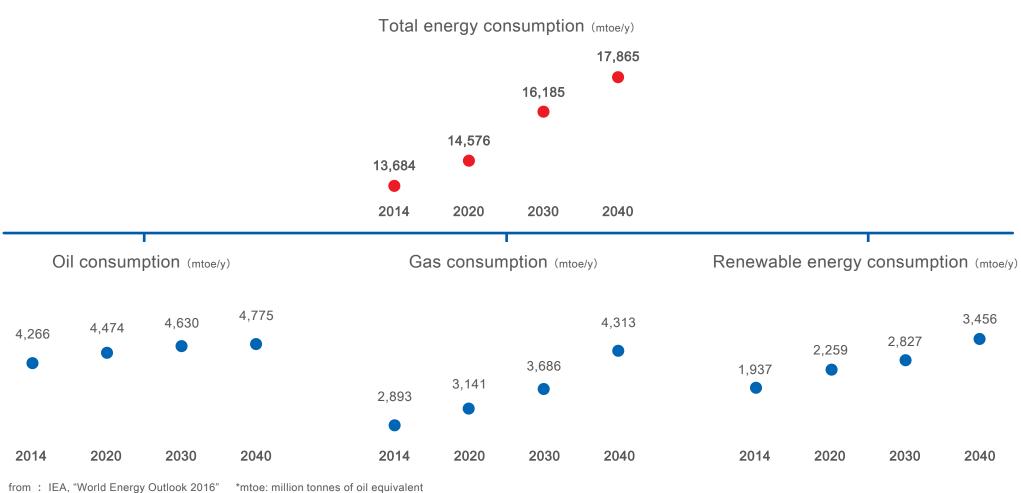


Mid-term Business Plan 2020

™ MODEC

Outlook of Long Term Energy Consumption

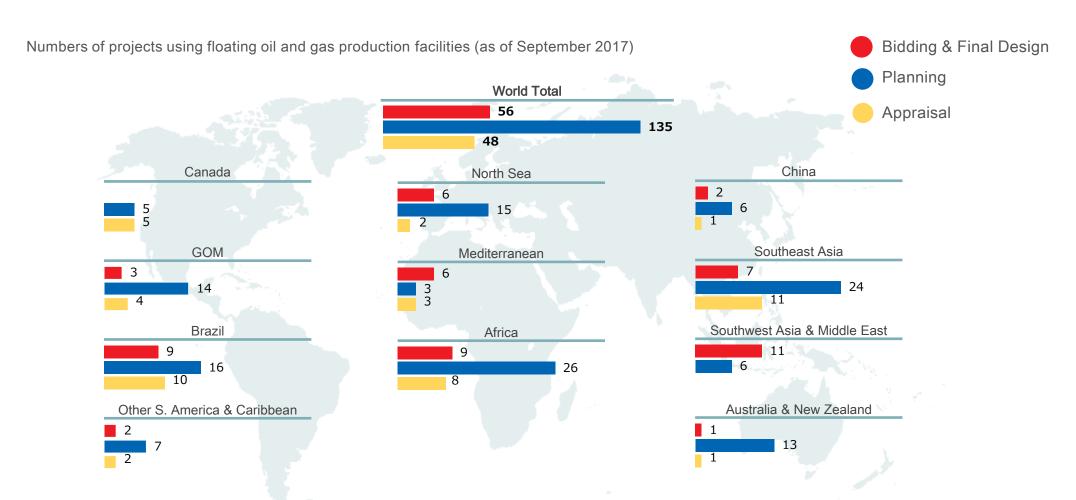
Oil will stay as an important source of energy, whereas Gas will rise sharply.



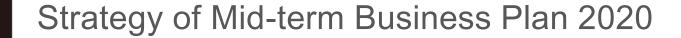
Current Market



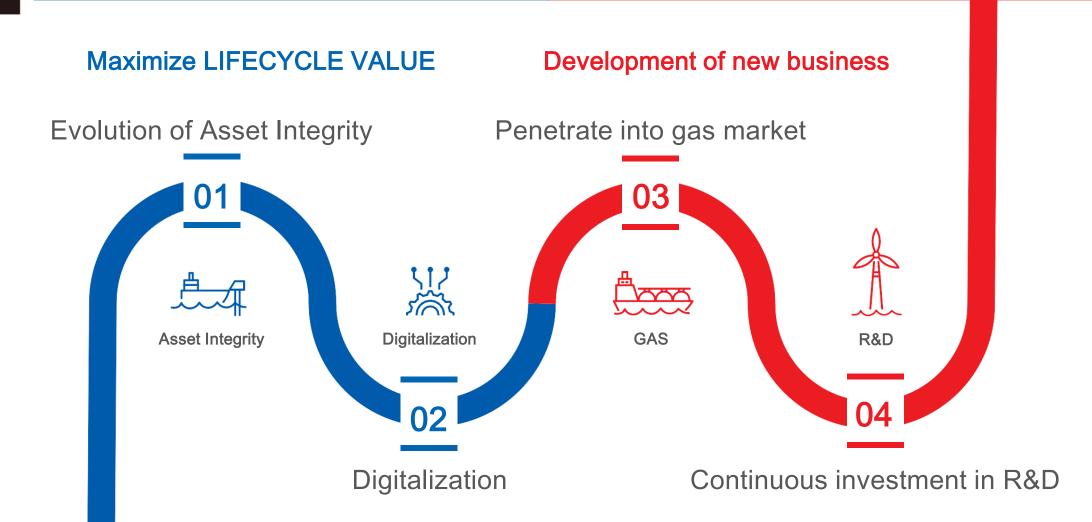
Business conditions have improved and numbers of prospective projects are coming.



from : EMA, "2017 Q4 FPS Report" *Australia & New Zealand includes one project in bidding and final design stage in Pacific.



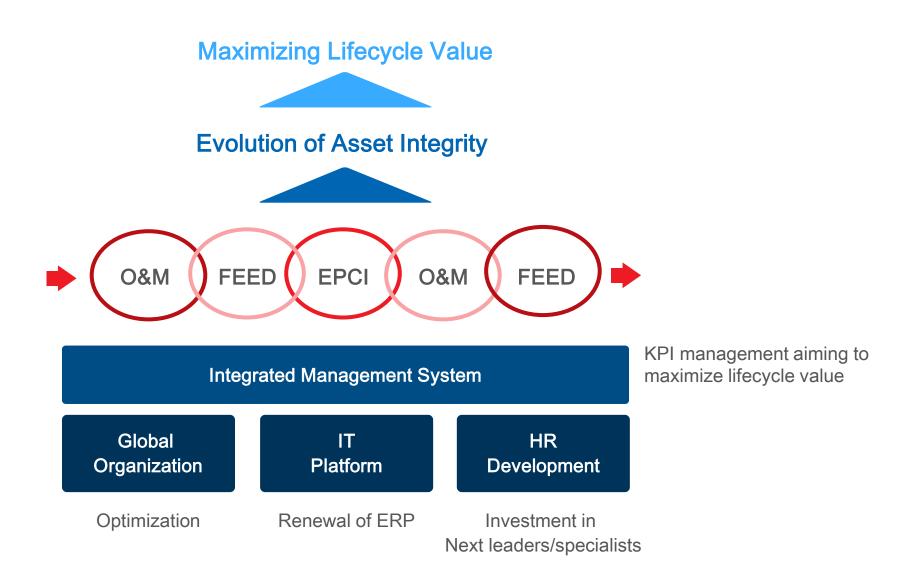




LIFECYCLE VALUE: The value which MODEC provides with stakeholders, i.e., community, customer, partner and our shareholders through the whole life of the FPSO, from design to operation.

Strategy of Mid-term Business Plan 2020 1.Evolution of Asset Integrity



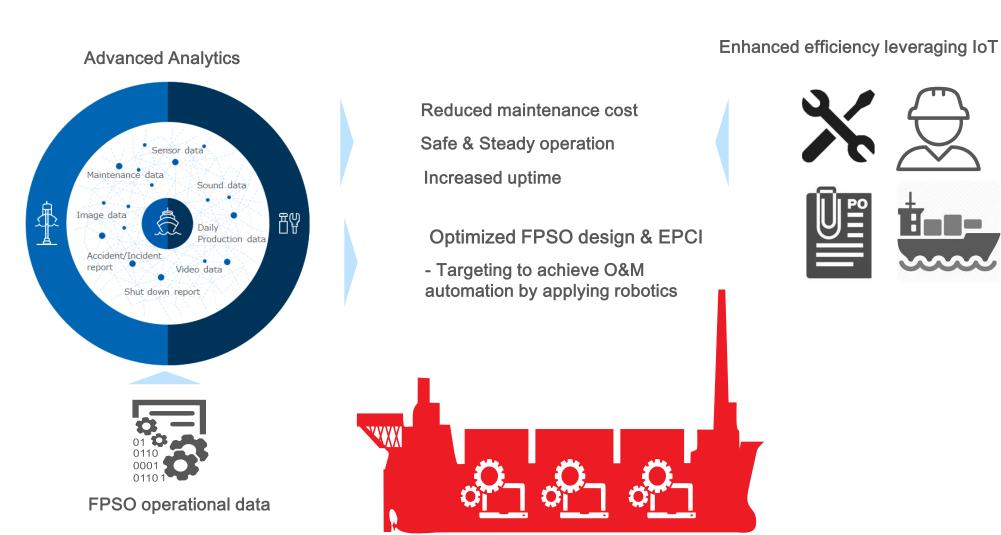


Strategy of Mid-term Business Plan 2020

2. Digitalization



Massive amount of operational data is our key asset of competence. We will move forward with a digitalization program to enhance the lifecycle value.



Strategy of Mid-term Business Plan 2020 3. Penetration into gas market



Expected volume of investment in floating gas related facility

■ Considering alliance/collaboration with 3rd parties if necessary.



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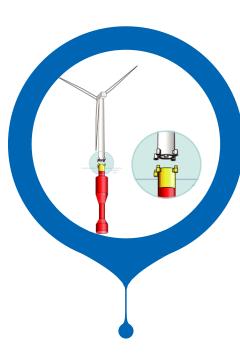
Strategy of Mid-term Business Plan 2020 4. Continuous investment in R&D





Offshore fleet repair

Development and materialization of innovative in-situ fleet repair method using CFRP



Offshore wind power

Research for low cost offshore installation

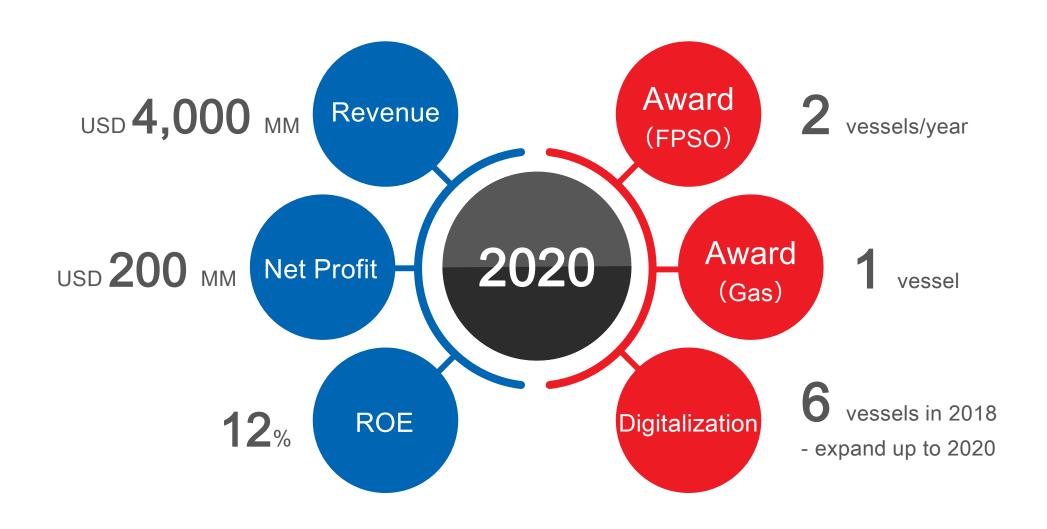


Seabed mining development

Leading a Japanese national project







Mission and Vision

- Commitment to leading the offshore industry



MISSION

MODEC delivers and safely operates high-quality, innovative floating solutions for the offshore industry.

VISION

To be the global leader in delivering and operating innovative and reliable floating solutions by cultivating diverse and talented teams that work with integrity, communicate openly, serve the community and protect the environment.





APPENDIX

Outlook of Oil Price



Both scenario 1 and 2 show steady oil price.

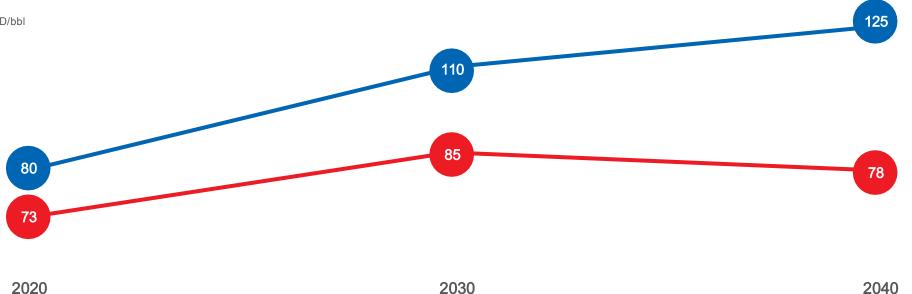
Scenario1

Energy demand will increase steadily due to the rise of world population, growth of living standards and urbanization in developing countries.

Unit: USD/bbl

Scenario2

Energy demand will increase but that will be offset by improved energy efficiency in industry and home, which is enabled by widespread low-energy-consuming equipment.



from: IEA, "World Energy Outlook 2016"



Continue to accumulate experience

Charter/O&M (as of February 2018) 2026 2028 Petrobras Mero Pilot FPSO Petrobras 22y FPSO Carioca MV30 Petrobras 21_V More than 0 FPSO Cidade de Campos dos Goytacazes MV29 Petrobras 200 years of Tullow FPSO Prof. John Evans Atta Mills O&M FPSO Cidade de Caraguatatuba MV27 Petrobras 20y 0 FPSO Cidade de Itaquaí MV26 Petrobras $45 + \alpha$ 20y FPSO Cidade de Mangaratiba MV24 Petrobras **EPCI** 0 FPSO Cidade de São Paulo MV23 Petrobras FPSO Cidade de Angra dos Reis MV22 Petrobras 15y FPSO Cidade de Santos MV20 Petrobras 12y 0 Petrobras 8 FPSO Cidade de Niterói MV18 **JVPC** FSO Rang Dong MV17 7.5_V **(** FSO Cidade de Macaé MV15 Petrobras **(** FPSO Cidade do Rio de Janeiro MV14 Petrobras FSO Rong Doi MV12 **KNOC 7**y **CNR** 13 FPSO Baobab Ivoirien MV10 10y FPSO MODEC Venture 11 Santos FPSO Stybarrow Venture MV16 available 7y + (15)OMV FPSO Raroa 15y FPSO Kwame Nkrumah MV21 Tullow **BHPB** FPSO Pyrenees Venture Shell **FPSO Fluminense**

17.5y

Charter (fixed)

Charter (option)

O&M



Disclaimer

The information contained in this material is based on a set of assumptions and it is not guaranteed as to its materialization of financial visions or corporate strategies.