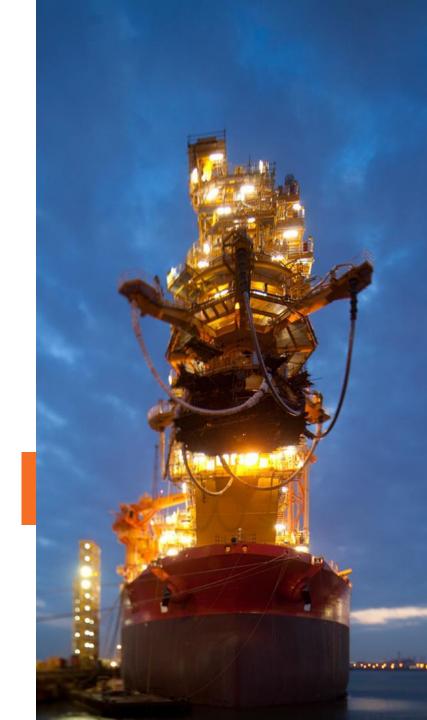
# **Investor Presentation Houston**

November 18, 2016

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# No. 1 FPSO player worldwide



**Dutch Headquarters** 

5 Regional Centers

13 Shore Bases / Operations Offices

1 Site Offices

#### **Lease Fleet**

14 FPSOs

2 FSOs

1 Semi-sub

1 MOPU

#### Financials in US\$ billion

Guidance Directional<sup>(1)</sup> Revenue 2016 2.0

Directional<sup>(1)</sup> Backlog (30 Sep. 2016) 17.5

Market Capitalization (30 Sep. 2016) 3.0

#### Performance Q3 2016

283 years of operational experience

99.0% Total Historical Uptime

1.65 MM BOE throughput capacity/day



# **History of innovation**

### ca. 200 patents active, 60 years of delivering innovation to market











#### FPSO Cidade de Maricá



FPSO Cidade de Saquarema



FPSO Turritella



- On hire as of February 7, 2016
- Initial charter contract of 20 years

- On hire as of July 8, 2016
- Initial charter contract of 20 years

- On hire as of September 2, 2016
- Initial charter contract of 10 years, with extension options up to a total of 20 years









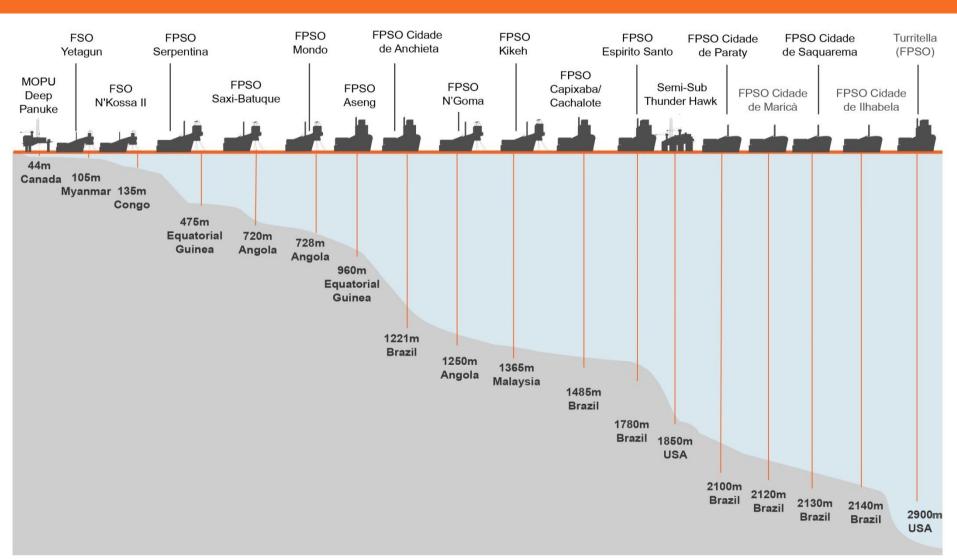


- At almost 2,900m water depth deepest production unit and FPSO ever installed
- First disconnectable system with steel lazy wave risers (SLWR)
- World's largest disconnectable turret



# **Pushing the boundaries**

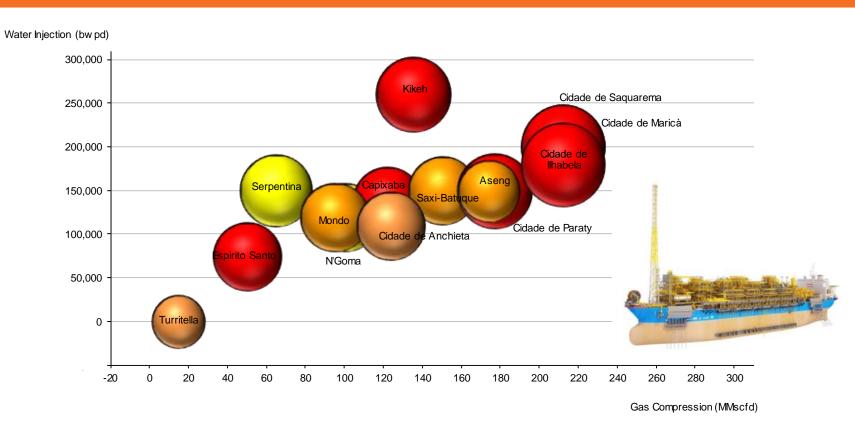
### **Delivering solutions in deeper water**

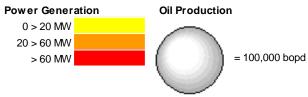






### FPSO capacity requirements increased for topside installations







# **Clients and partners**

### Long term relationships built on trust





































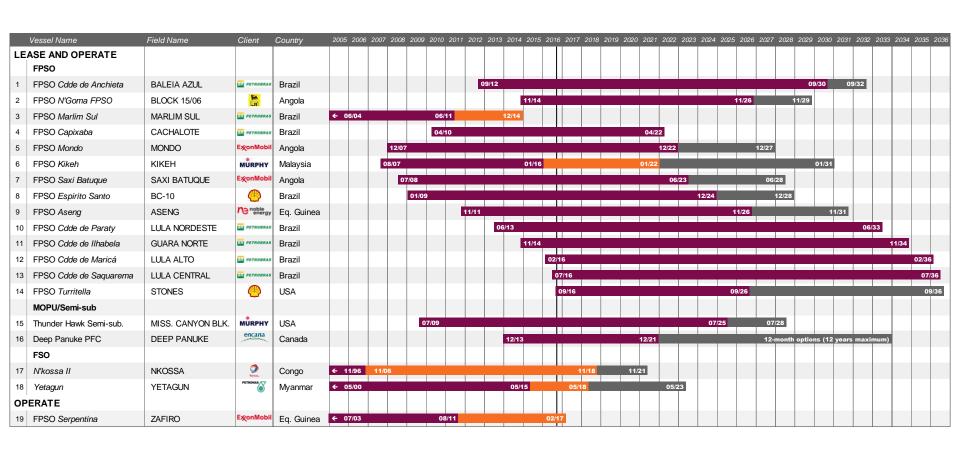








#### First significant option to extend at the end of 2021



**Initial Lease Period Confirmed Extension Contractual Extension Option** 

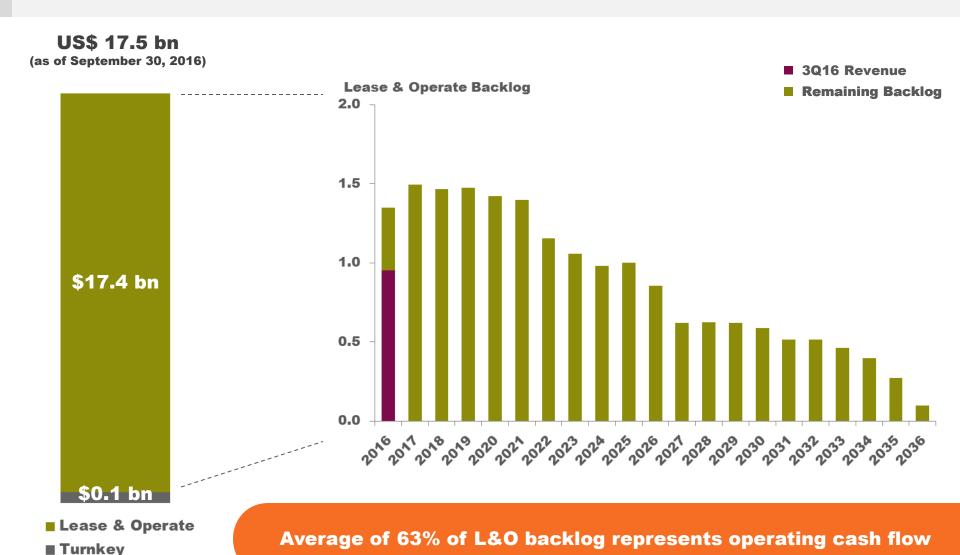
**L&O Portfolio Average Duration: 13.2 years**(1)

Assumes the exercise of all lease extensions.



# Directional<sup>(1)</sup> backlog<sup>(2)</sup>

As of September 30, 2016 (US\$ Billions)



<sup>(1)</sup> Directional view is a non-IFRS disclosure, which assumes all lease contracts are classified as operating leases and all vessel joint ventures are proportionally consolidated.

<sup>(2)</sup> Backlog is the undiscounted revenue over the confirmed portion of the contract.





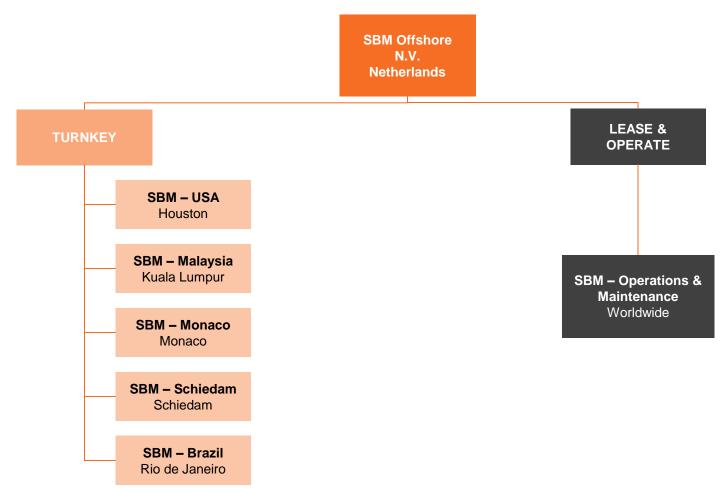
Corporate Headquarters:

Amsterdam

Group Functions:

Amsterdam, Marly, Monaco

Operations & Maintenance: Worldwide







- O Our Clients: **EARLY ENGAGEMENT** for all Product Lines developing understanding of their needs allowing us to **OPTIMIZE SOLUTIONS**
- Our Recent Projects:
  - **SHELL STONES / TURRITELLA (FPSO)**
  - Shell BC-10 PH3 (BF)
- Our Product Lines:
  - FPU Semisubmersible and TLP
  - BROWNFIELD 3rd party and In-fleet units
  - FLEET SUPPORT In-fleet units, except Brazil
  - OPERATIONS Shore base for Turritella and Thunderhawk

# **FPU** Development





# I. SeaStar® TLP (5 designed, built and installed)

- Developed for marginal fields
- Utilizes standard GoM installation techniques
- Replicate fixed platform practice



# II. DeepDraft Semi<sup>™</sup> (2 designed, built, installed and operated)

- Developed to provide a field proven solution for WD>6000'
- Quay-side integration and light-means installation

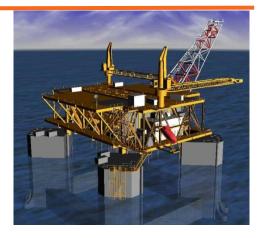
# III. FourStar™ TLP (3 designed and bid)

- Overcome payload limits of the SeaStar
- Quay-side integration
- Unassisted lock-off
- Optimized hull (structure and hydrodynamics)



# IV. FourStar XC™ (designed)

- O Semi & TLP
- Vertical columns
- Efficient structure
- Minimum manning
- Optimized maintenance



In total 10 FPUs designed, built, installed/operated, which includes 3 MODU's (mobile offshore drilling units)



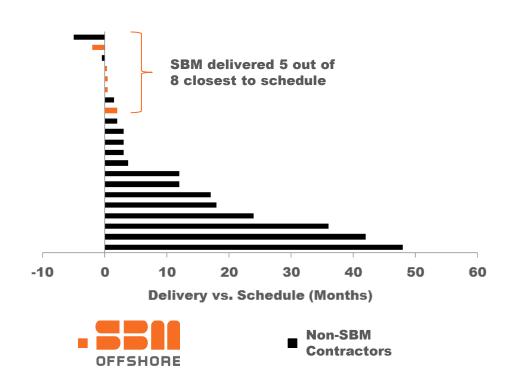


- >15 years of Brownfield experience
- >200 completed Brownfield Projects covering all scopes – from moorings to flare-tip
- Now offering 3<sup>rd</sup> party Brownfield Services to all FPS Owner / Operators
- O Unique offering as Owners & Operators of the world's largest FPS fleet, we share the same challenges and end goals as our Clients to 1) Maximise production, 2) Minimise cost, 3) Ensure no harm to assets, environment or people





## Project delivery: Brazil case study



Efficiencies can be achieved through similar projects

Similar projects do not guarantee success – **need competent contractors** 

A six month delay results in ~US\$400 million lower project NPV, equivalent to 25% of FPSO project cost<sup>(1)</sup>

O Balance sheet concerns
O Cost overruns
O Schedule slip
O Performance reliability

**Experienced contractors** are able to **deliver** projects **on time** 



## Delivering the full product life cycle

### **Engineering**

60 years of industry firsts Leading edge technology

#### **Product Life Extension**

Leader in FPSO relocation World class after sales

#### **Procurement**

Integrated supply chain Global efficiencies Local sourcing

#### Construction

Strategic partnerships
Unrivalled project experience

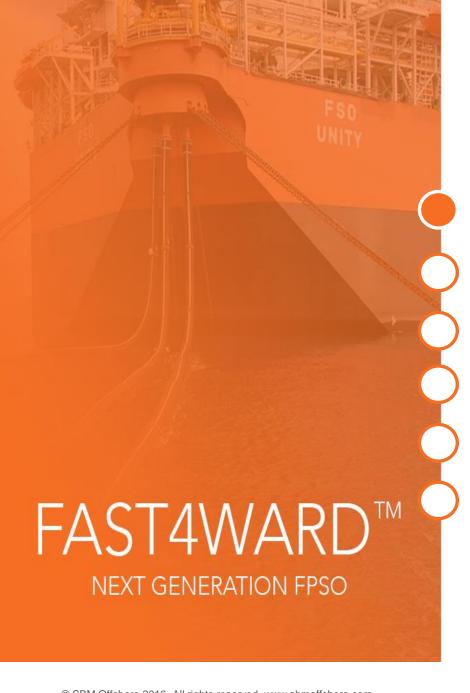
### **Operations**

283 years of experience 99% production uptime Largest international FPSO fleet

#### Installation

Dedicated fleet
Unparalleled experience
Extensive project capability





#### THE CURRENT ENVIRONMENT

Today's challenges and SBM's response

Fast4ward overview

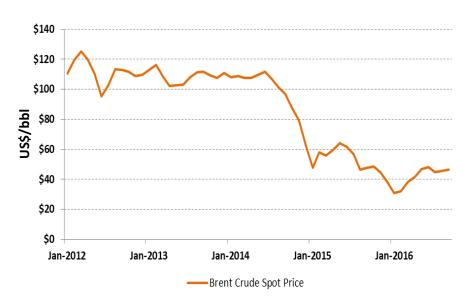
Where we make the difference

Value proposition in a nutshell

Q&A









Oil price seems to have stabilized

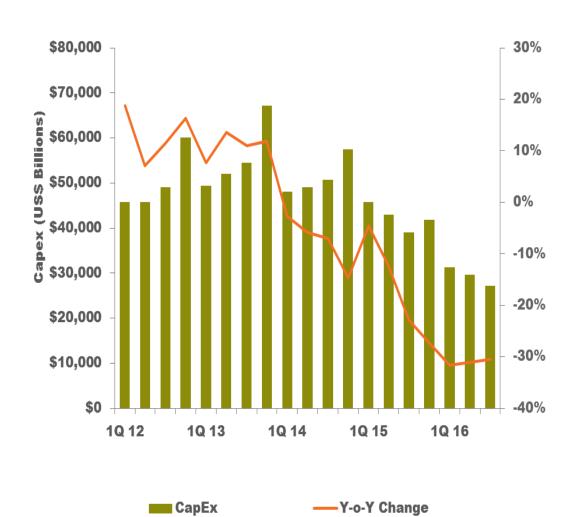
Currently,
oversupply persists;
balancing seems
close but timing
unclear and driven by
multiple factors

Uncertainty remains



#### Commitment to oil

# Big Oil capex



**Upstream investment** continues its **decline** 

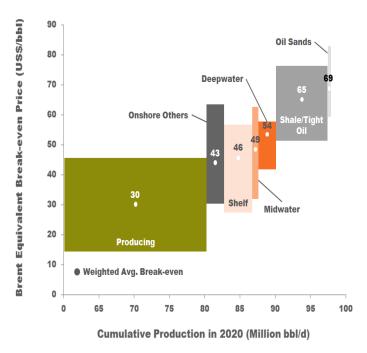
Big Oil reinvestment under pressure due to lower operating cash flow and dividend obligations

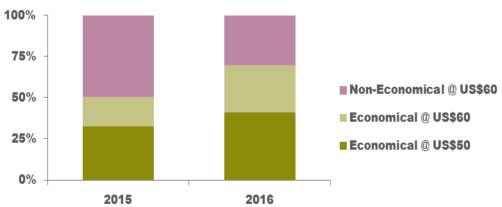
Big Oil continues to preserve cash flow



### Field development economics

# Global liquid cost curve





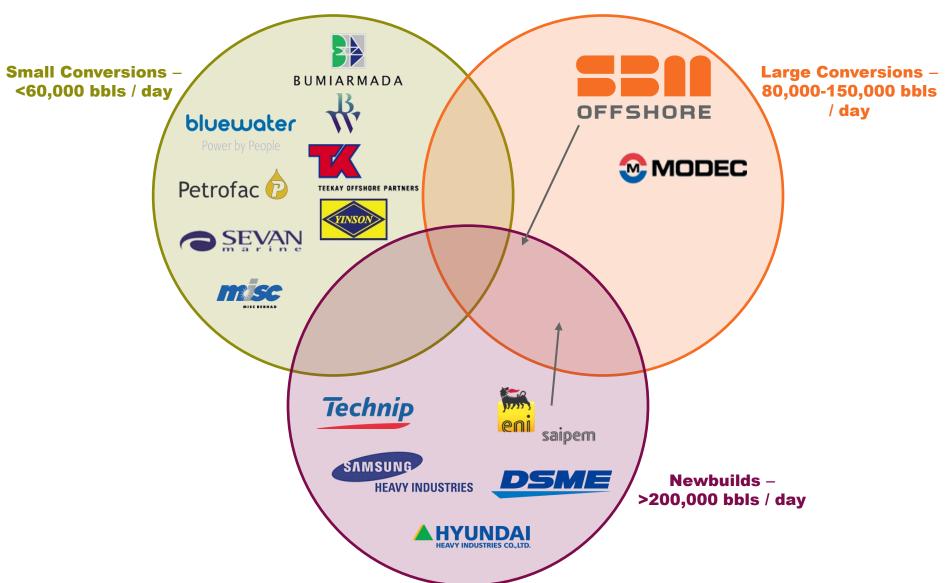
Deepwater competitive with Shale/Tight Oil

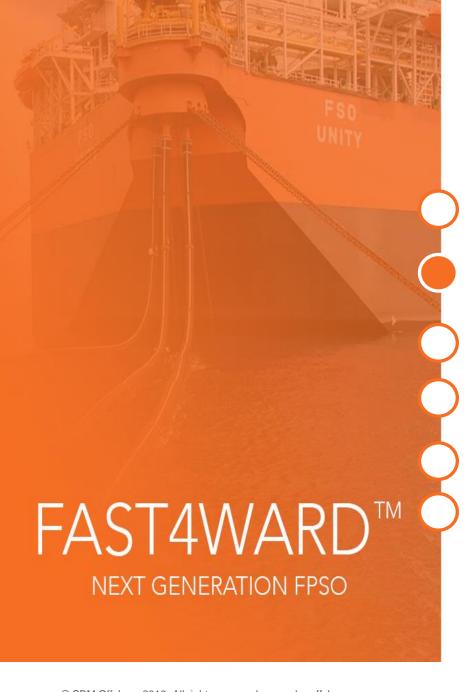
Development costs have decreased across the board

Deepwater must continue to improve to compete for marginal Capex



# **Competitive Landscape**





The current environment

# TODAY'S CHALLENGES AND SBM'S RESPONSE

Fast4ward overview

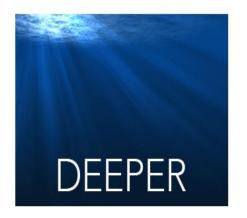
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Safer, faster, cheaper, deeper, smarter,...
many challenges, but probably one global answer



# Our approach to client's needs



# PROACTIVITY, CREDIBILITY and AFFORDABILITY drive our approach to the market



Back in 2014, we launched an internal program to address a different execution strategy for the future generation of FPSO's



# Fast tracking FPSO is the key

Reduced complexity and shorter schedules are key in reaching better safety, economics and lower risk for floating production solutions

FPSO is on the critical path to first oil

Fast tracking an FPSO

is the solution going forward, and the the gateway to cash

SBM therefore developed Fast4Ward

A faster, cheaper & safer gateway to 1<sup>st</sup> oil in a cash-constrained world



# It's all about standardization, with flexibility

- Our experience helped us define the basis of our journey to develop a new business model to fast track future FPSO projects:
- Although a fully standardized FPSO is not practical, there are MANY OPPORTUNITIES TO STANDARDIZE and accommodate bespoke features
- The key to an optimal layout is MODULARIZATION
- Standardization can ACCELERATE not only the DESIGN PROCESS, but also the SUPPLY CHAIN and CONSTRUCTION phases



# Our experience makes us credible

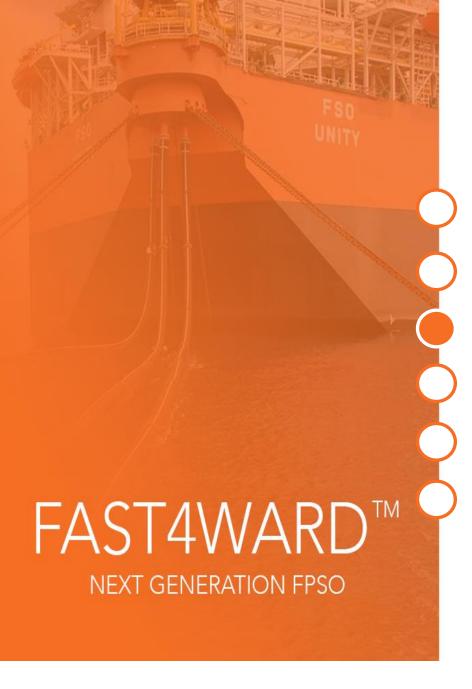


An unrivaled experience and expertise in the design, construction and operation of FPSO's throughout the world



SBM is the unquestioned expert to capitalize on standardization for FPSOs and offer a solution that maximizes time and cost-saving opportunities





The current environment

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#### **FAST4WARD OVERVIEW**

Where we make the difference

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**New-Build - Generic hull** 

**Topsides & Mooring catalogue solutions** 











### A generic design optimized for deployment in a wide area



A DESIGN THAT FITS A WIDE MARKET,
WITH THE **FLEXIBILITY** TO BE TAILORED TO
THE SPECIFIC NEEDS OF A PROJECT.



# **SBM Group Technical Standards - GTS**

Today the GTS are unique in being the only set of FPSO specific standards in the industry leveraging our accumulated operating experience, they provide a valuable foundation for the SBM's leased

FPSO projects.

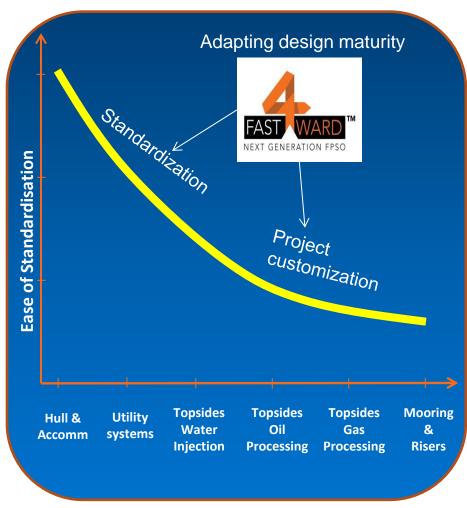


- The Fast4ward project is based on SBM GTS, with the Topside and Mooring specifications fully aligned
- The MPF Vessel Outline Specification was developed according to SBM design standards provided in the GTS, however, the MPF will be built mostly to shipbuilding standards





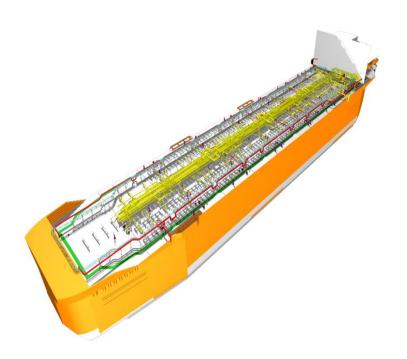
The "ease of standardization" can be displayed in this chart, highlighting the **generic** and **bespoke** nature of the various FPSO elements.







- A generic hull ready to receive and integrate topsides modules and mooring system
- O A 100% new-build vessel
- O Large capacity storage
- Integration afloat only one quay needed
- No conversion phase
- Additional deck space to accommodate the most complex topsides



A SMOOTHER, FASTER, PREDICTABLE, SAFER AND CHEAPER PROJECT EXECUTION



# Mooring: flexibility is the key

# **EXTERNAL, INTERNAL AND SPREAD MOORING** available from a catalogue of solutions



A generic design optimized for deployment in a wide area



# THE RIGHT SOLUTION TO FIT THE CLIENT'S REQUIREMENTS AND THE ENVIRONMENTAL CONDITIONS



# Topsides: a modular approach

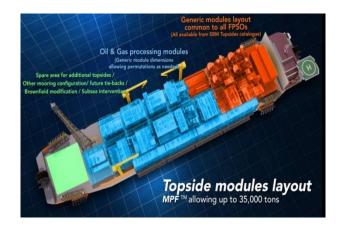
O Two module categories available from a catalogue to cover all needs for topsides:

# GENERIC MODULES highly standardized, they fit to all projects

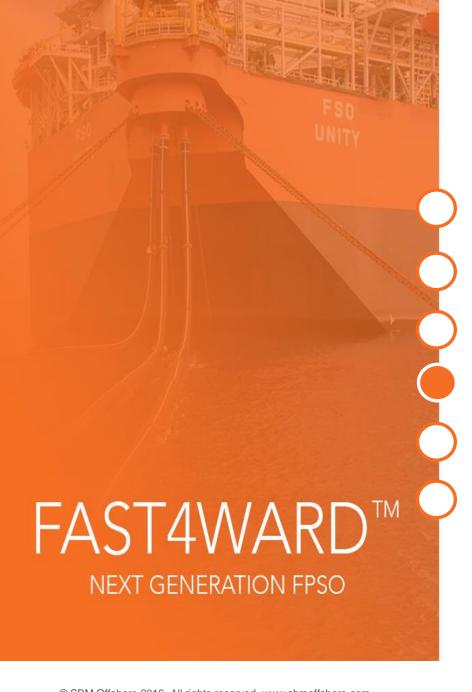
#### 2. BESPOKE MODULES

conceptually standardized, then tailored to suit the specific crude oil characteristics and processing requirements





MAXIMUM INTERCHANGEABILITY, WITHOUT DISRUPTING OVERALL FUNCTIONALITY



The current environment

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Fast4ward overview

#### WHERE WE MAKE THE DIFFERENCE

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#### **Fast4Ward Potential**

### Cost and schedule

#### FPSO PROJECTS BY DECADE OF DISCOVERY



Where the Fast4Ward model is applicable, this can result in **6 to12 months gain** on a typical FPSO schedule

**LOWER EPC CAPEX** 

**FASTER ROUTE TO FIRST OIL** 



# Where Fast4Ward makes the difference

Safety and sustainability

#### O IMPROVED SAFETY through:

- More ground works and less confined space works
- Less site manhours
- Lowered topside modules and better access
- Reduced congestion and hydrocarbon inventory
- Optimum mooring configuration

#### O SUSTAINABILITY TAKEN TO THE NEXT LEVEL, with:

- Shared value creation over the project life cycle
- Strong focus on local content
- Long-term relationships with vendors and shipyards



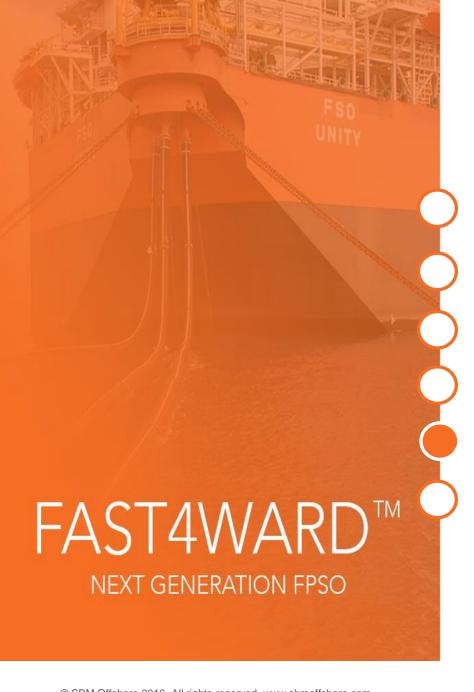
#### When Fast4Ward makes the difference

Topsides: more space, less weight

O Extra deck space helps lower modules and spread equipment across the deck for less verticality and better access for maintenance



LIGHTER, FASTER, CHEAPER



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Fast4ward overview

Where we make the difference

**VALUE PROPOSITION IN A NUTSHELL** 

Q&A



# Our value proposition in a nutshell



New-build Generic hull



Topsides & Mooring catalogue solutions

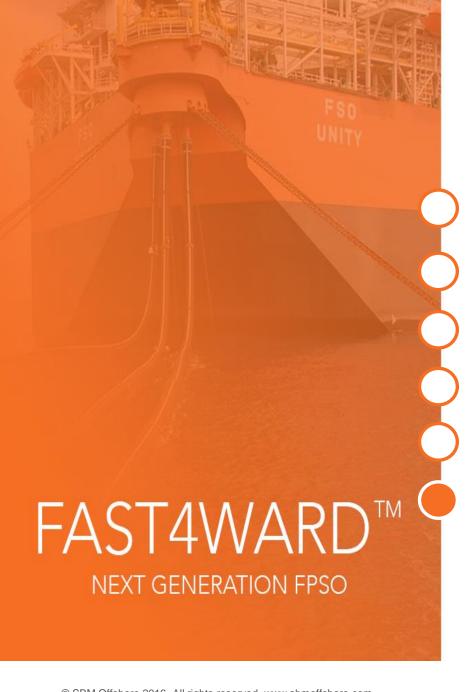
### LOWER CAPEX

**6 TO 12 MONTHS SCHEDULE REDUCTION** 

FLEXIBILITY, PREDICTABILITY & SUSTAINABILITY







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#### LOCAL CONTENT

















