Deepwater between boldness and discipline

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Leveraging our deepwater expertise

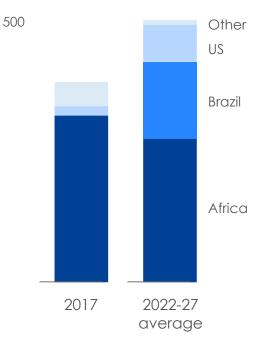
10 operated FPSO in West Africa

> 600 operated deepwater wells

6 major deepwater start-ups in 2018-19

- Egina, Kaombo North, Ichthys
- Iara 1, Kaombo South





Leader in Africa

Giant developments: Moho Nord, Kaombo, Egina

Leveraging existing facilities with short cycle projects

Future projects: Owowo, Preowei

Growing in Brazil

Sanctioning world-class Libra field

Strategic Alliance with Petrobras: Lapa/lara, first pre-salt IOC operator

Maturing exploration portfolio

Gulf of Mexico, the next wave

Leveraging expertise to build attractive portfolio:

- Producing assets: Jack & Tahiti
- Discoveries to be developed: Ballymore, North Platte, Anchor

Growing > 100 kboe/d









Deepwater: a target for TOTAL Exploration, with delivery underway

TOTAL OPERATED EXPLORATION WELL PORTFOLIO





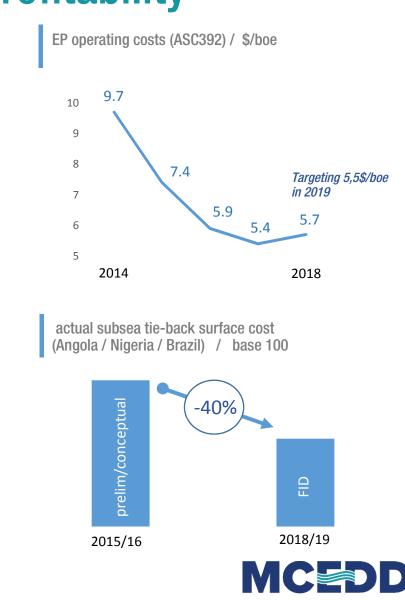
- ca. 80% of Total POTEX
- Targeting
 - new play opening prospects
 - shallower burial / higher quality reservoirs,
- Balance between Frontier / Emerging / Mature plays
- Deeper water and harsher environment
- Lower capture and technical costs



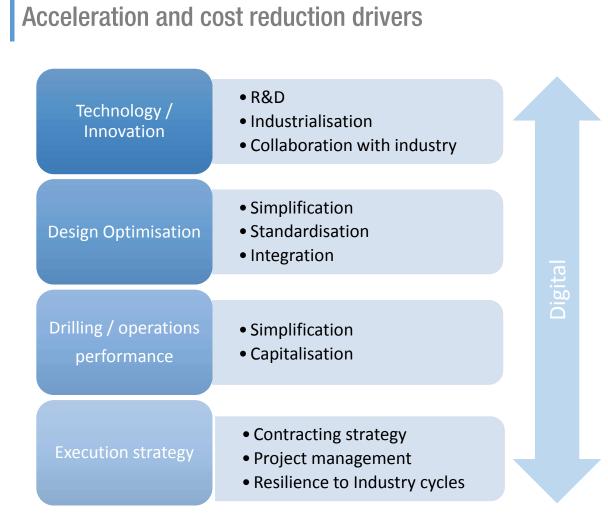
Cost discipline: structural changes towards profitability

- Continue to consolidate our DW Assets cost reduction
- Reduction of new development technical cost intensity
- Deliver projects on time and within budget
- Selectivity: high return projects, wt. avg. IRR > 15% at 50\$/b



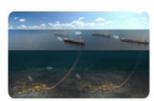


Deepwater roadmap: a consolidated and shared vision





SUBSEA TIE-BACK to feed our existing facilities and develop nearby objects



STAND ALONE MARGINAL FIELDS to unlock our 2C resources



NEXT ELEPHANT to define the next DW development generation



FRONTIER to create new opportunities



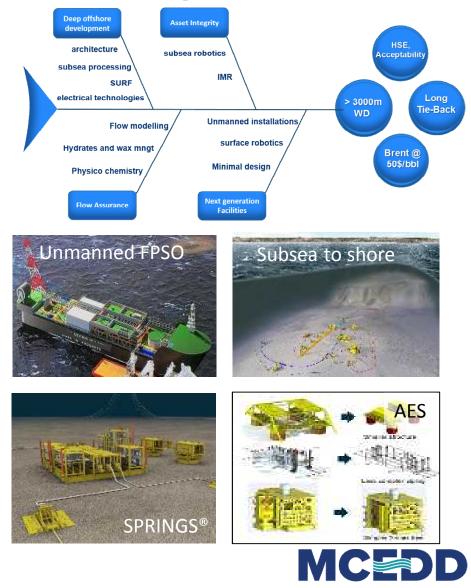
MATURE FIELD to support the asset profitability





R&D: provider of cost effective solutions & technologies

- One dedicated Deepwater R&D program
- Increased partnership with industry, technology suppliers and institutes
- Strategic Alliance with Petrobras
- Agreements with other IOCs
- Rupture technologies with pilots

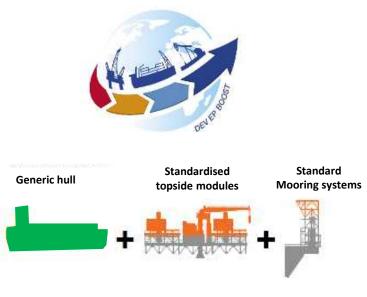


ER DEVELOPMEN



Design optimisation: maximize value from very early phases

- Simplification
- Innovative design approach
- Standardisation
- Contractor led solutions
- From prescriptive approach to functional requirements
- Promotion of 'Design to Cost' approach
- Integrated subsea offering



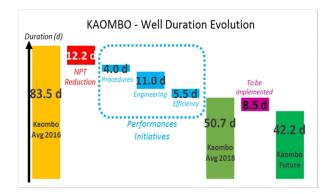






Performance: virtuous cycle towards increased profitability

- Performance turned into a mindset
- Benchmark 'attitude'
- Performance in each and every field
 - HSE: cornerstone of our operational efficiency
 - Drilling: two wells for the price of one
 - Field Operations: operating efficiency maximisation
 - Projects: improved execution and delivery











Contracting / purchasing strategy: innovative solution maker

- One global procurement organisation
- Early involvement of contractors/suppliers in our development process
- Qualification of alternative and LCC suppliers
- Increase of Frame Agreements
- Bringing competition on brownfield developments
- Leveraging bundling approach for services and goods (between EP Affiliates and between Group Branches)

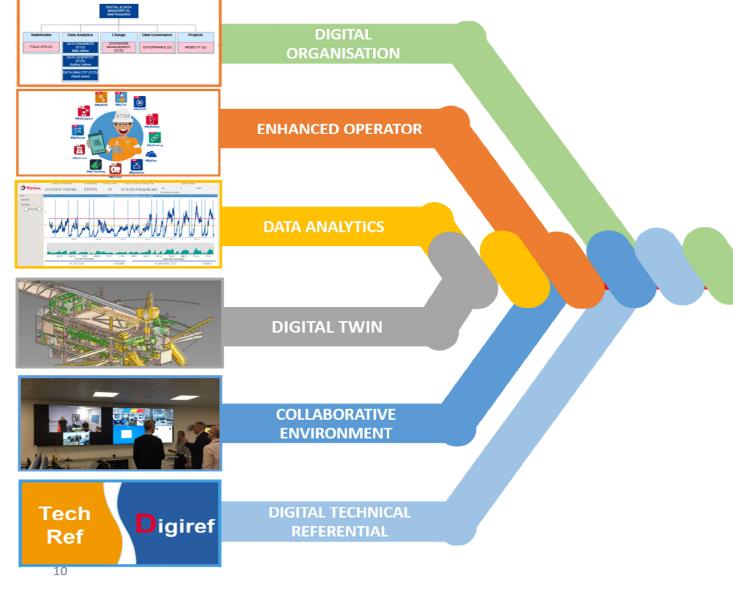








Digital: data intelligence&valorisation and new ways of working



GULF OUEST

- Improving safety
- Production Optimization
 - Real time mobile access to engineering data, work orders and permit data
 - Interactive dashboards / ambitious predictive models
- Condition based Maintenance
 - Rotating machines remote monitoring (RAID)
 - Subsea Eqt. condition monitoring
- Drilling real time remote monitoring and data valorisation
- Increased visibility & contextualised understanding of technical requirements



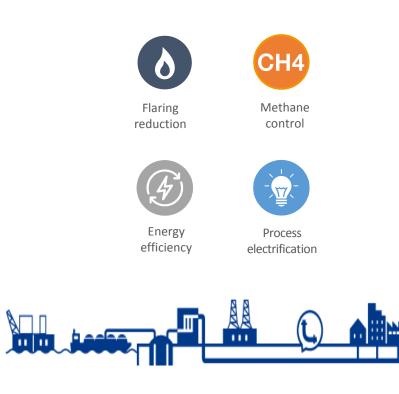
Deepwater: integrate climate into our strategy

- reduce environnemental footprint
 - Reduce emissions (flaring, venting...)
 - Further improve energy efficiency of our operations

• promote gas as a transition energy

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• Engage contractors and technology suppliers





Thank You





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