

Greater Tortue Ahmeyim Phase 1

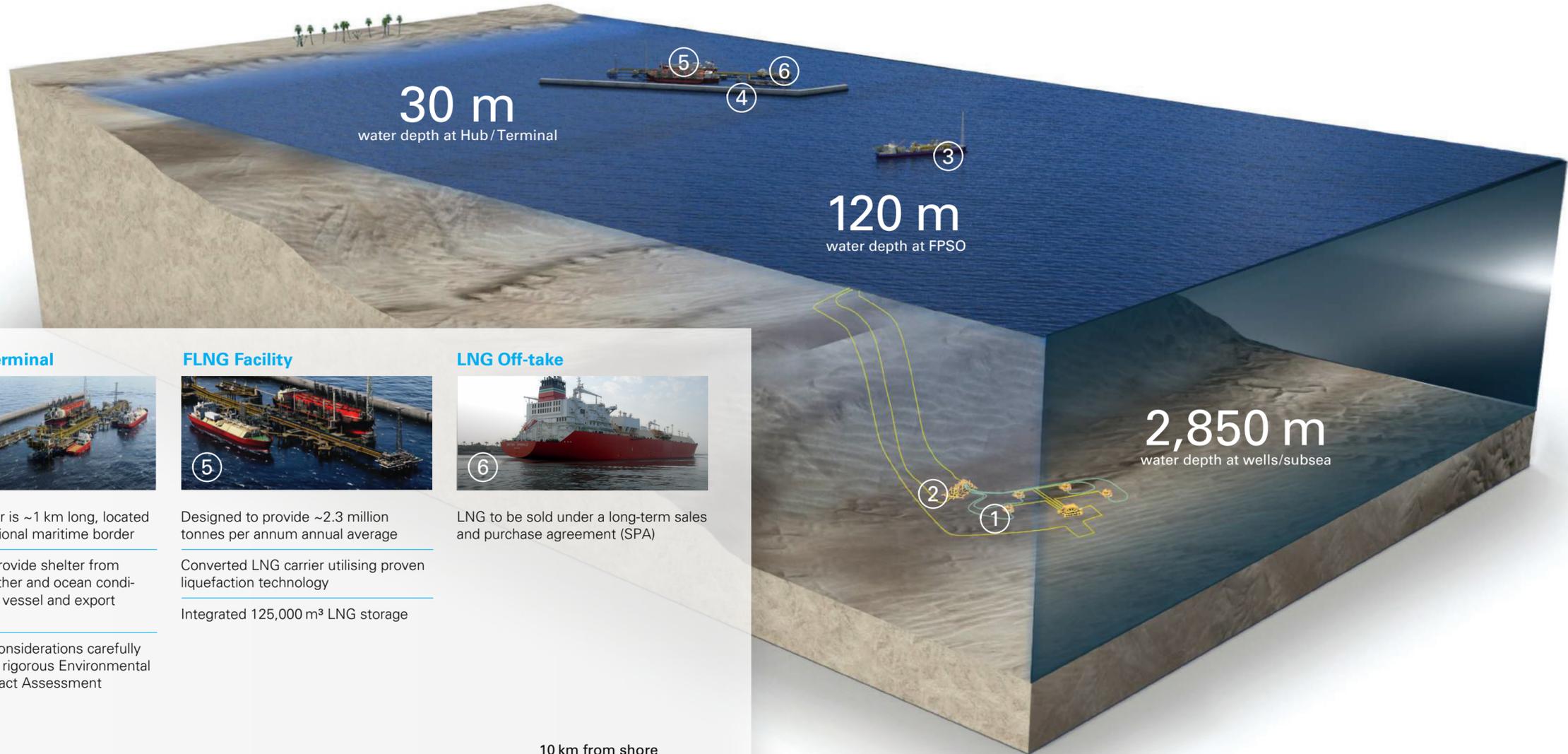
An innovative development, establishing a competitive LNG business and delivering positive returns to investors

Operating safely and responsibly

bp, along with our partners, is committed to working in a safe, sustainable and respectful manner with the local communities. As part of this we are undertaking a rigorous process of informed consultation, working together with local communities to understand and mitigate any concerns or impacts related to our activities. bp is committed to making a positive change to the communities surrounding our operations.

Building for the future

The Tortue field, by bp and Kosmos' estimates, could contain 15 tcf of recoverable gas resource potential. bp is reviewing concept options for future phases of development for the basin, which is thought to contain up to 100 tcf of gas. Greater Tortue Ahmeyim Phase 1 is the first step in establishing the basin as a world-class gas province and a major LNG hub.

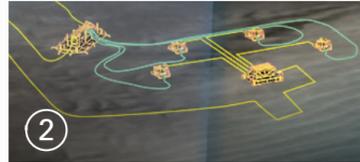


Wells and Subsurface



Ultra deepwater subsea wells
Each well designed for high production rates (~200 mmscfd)

Subsea



Large bore gas subsea production system (SPS), the deepest subsea system installed by bp to date
FPSO 80 km subsea tie-back from the field to the
35 km export pipeline system from the FPSO to the LNG Hub Terminal

Pre-treatment FPSO



The key function of the FPSO is to remove water, condensate and reduce impurities in the gas stream before exporting processed gas to the FLNG facility and domestic gas off-take
The condensate separated from the gas will be off-loaded from the FPSO

LNG Hub Terminal



The breakwater is ~1 km long, located on the international maritime border
Terminal will provide shelter from prevailing weather and ocean conditions for FLNG vessel and export carriers
Construction considerations carefully planned with a rigorous Environmental and Social Impact Assessment

FLNG Facility

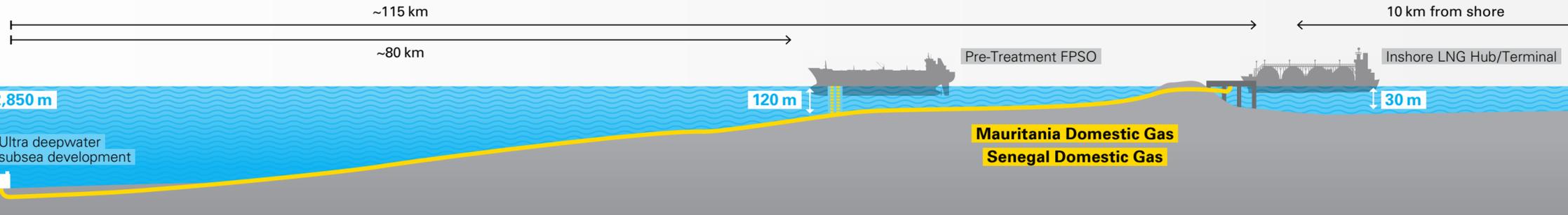


Designed to provide ~2.3 million tonnes per annum annual average
Converted LNG carrier utilising proven liquefaction technology
Integrated 125,000 m³ LNG storage

LNG Off-take



LNG to be sold under a long-term sales and purchase agreement (SPA)



Domestic gas

Provision is made via subsea tie-in points, for domestic gas take-off

Domestic gas supply will support the delivery of gas fired power plant development in country, helping to ensure energy security

Phase 1

2015: Tortue discovery

2016: Tortue appraisal drilling

2017: bp starts project engineering & planning

2018: Final investment decision

2023: First gas

At a glance

30+ year vision for both countries. Over this time period Mauritania and Senegal could become global LNG players, creating prosperity and development at a local and national level.



4
Number of blocks in which activities are ongoing (two in Mauritania and two in Senegal), in addition to the GTA Unit.

13,543 km²

covered by the Kosmos and bp partnership across the 4 blocks

15
trillion cubic feet

is the estimated gas production potential, enough to support production for 30 years or more.



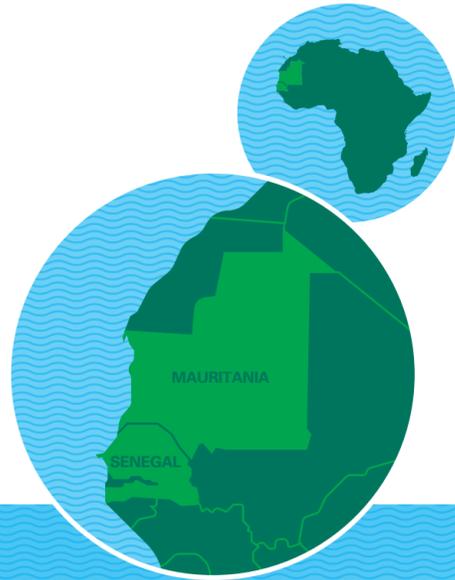
\$multi-billion

investment in the region over the lifecycle of the Tortue/Ahmeyim project

2023

The year that bp expects first gas production to begin.

bp Mauritania & Senegal A unique partnership with two countries

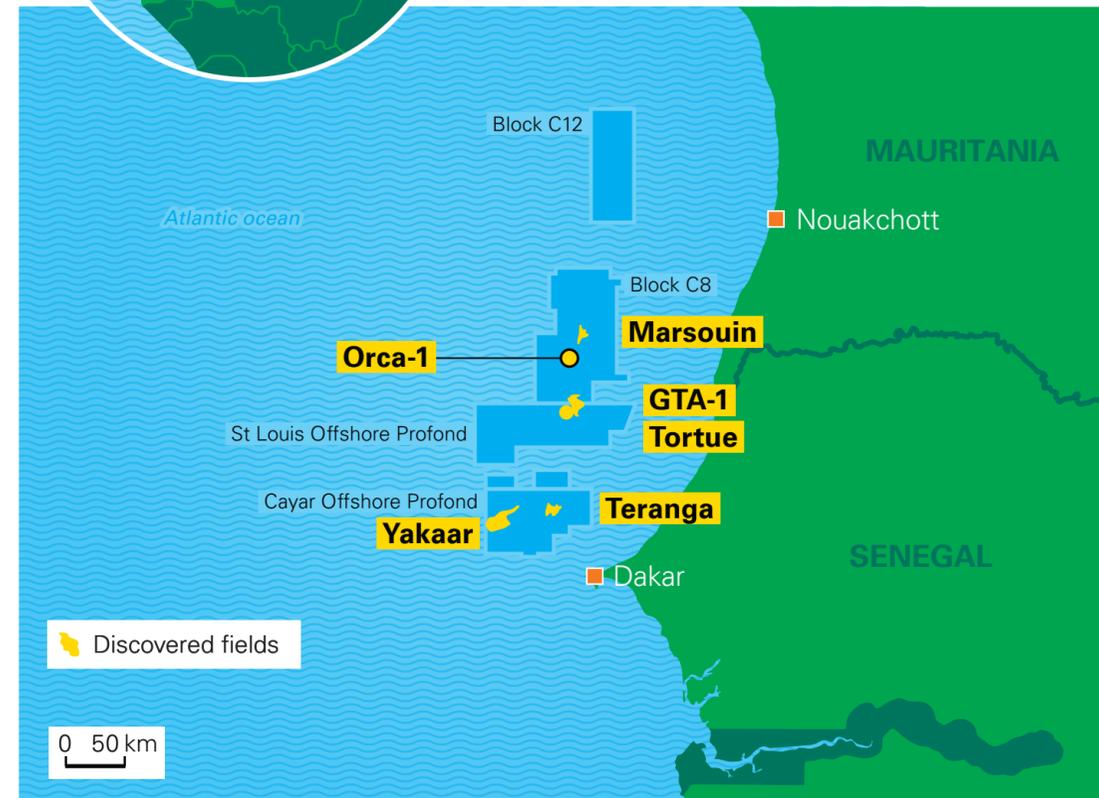


MAURITANIA

Population 4.6 million
(2020 estimate The World Bank)
Area 1.03 million km²
Capital Nouakchott
Official language Arabic

SENEGAL

Population 17.2 million
(2021 National Agency of Statistics and Demography of Senegal)
Area 196,712 km²
Capital Dakar
Official language French

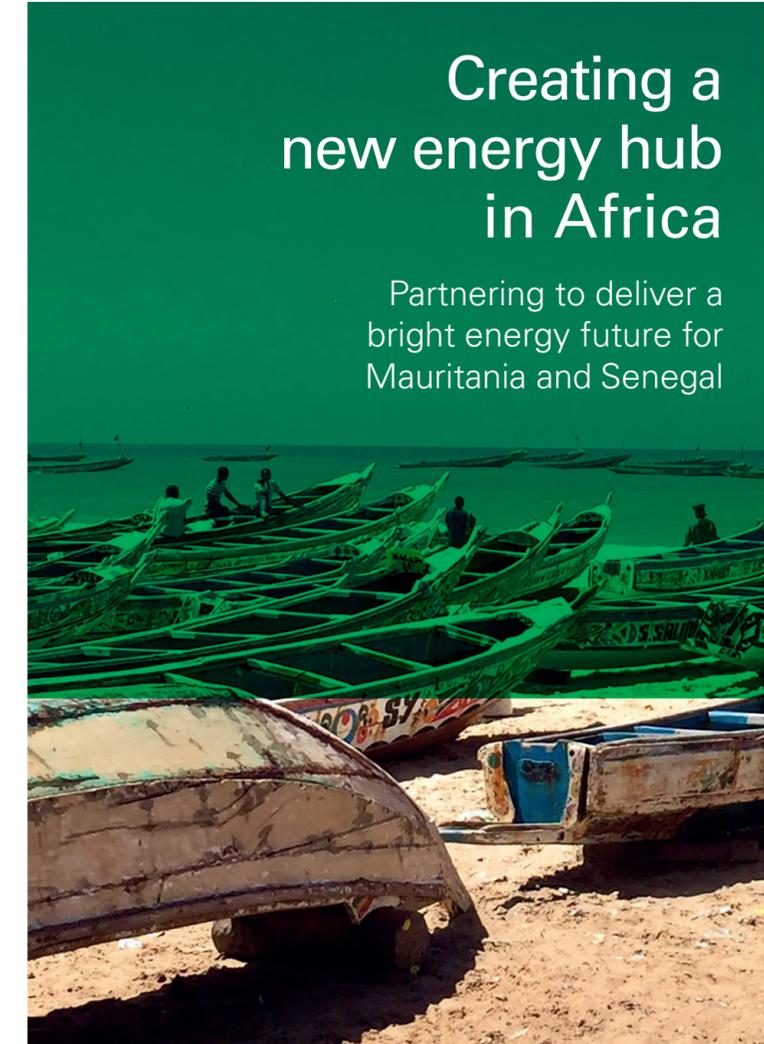


The Greater Tortue Ahmeyim Project



Creating a new energy hub in Africa

Partnering to deliver a bright energy future for Mauritania and Senegal



bp in proud partnership with

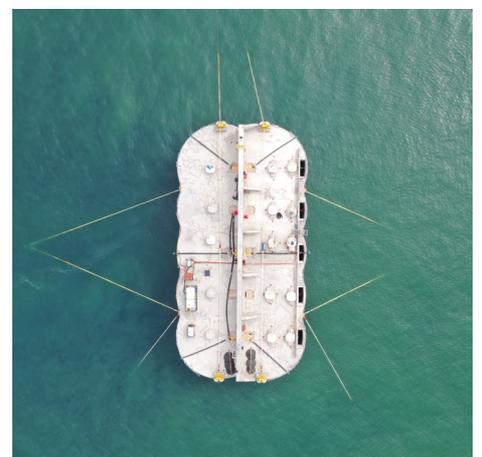
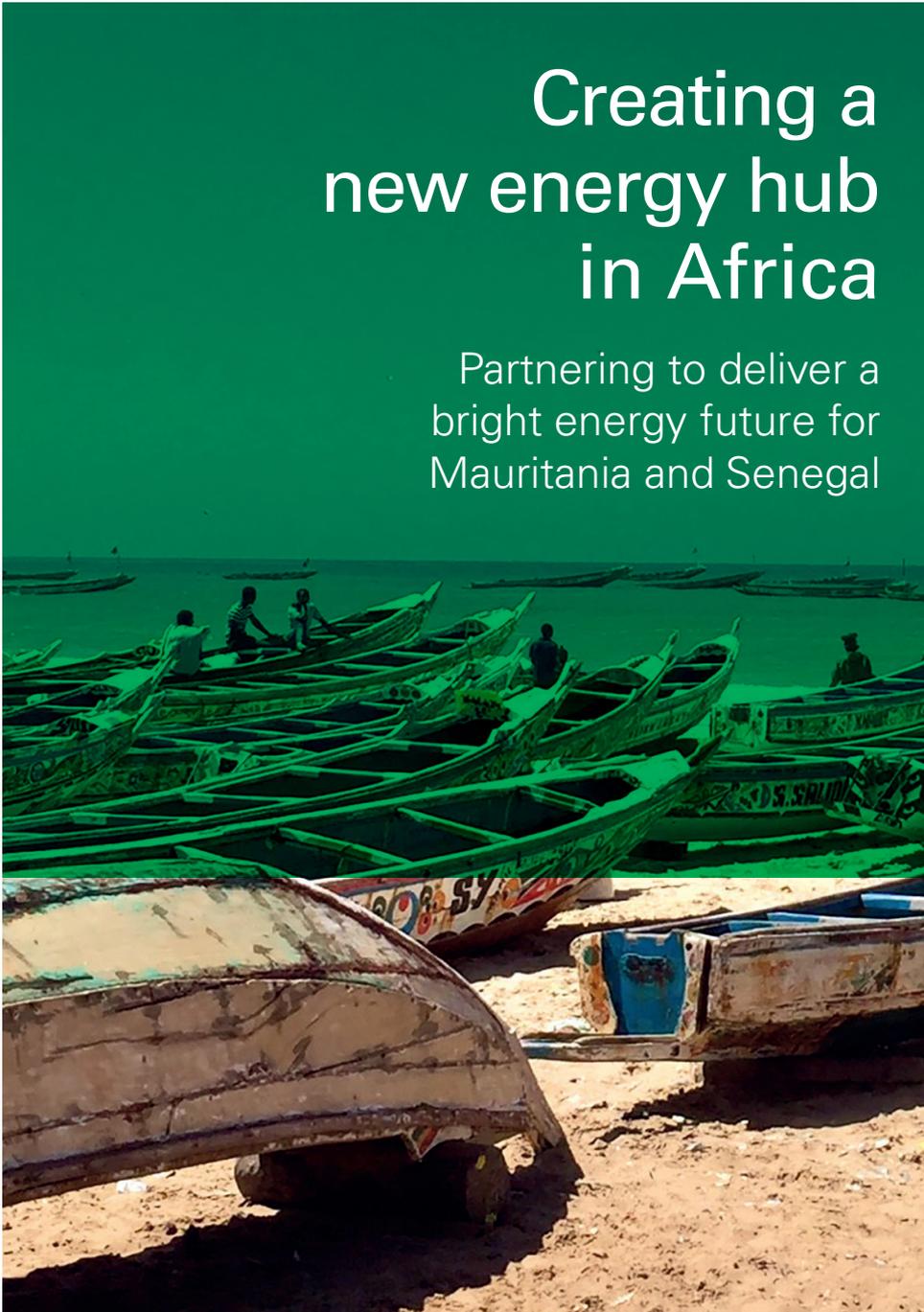


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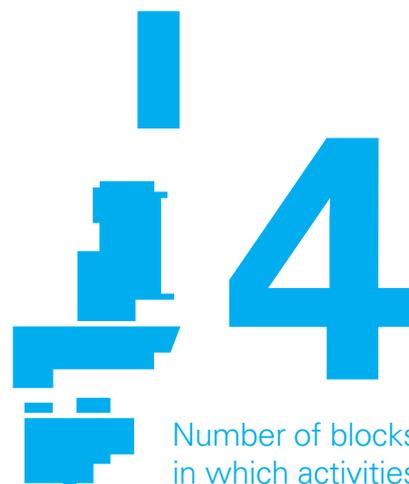
Caisson photo courtesy of Eiffage

At a glance

30+ year vision for both countries. Over this time period Mauritania and Senegal could become global LNG players, creating prosperity and development at a local and national level.



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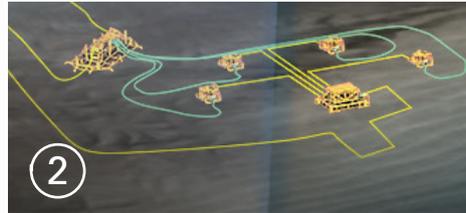
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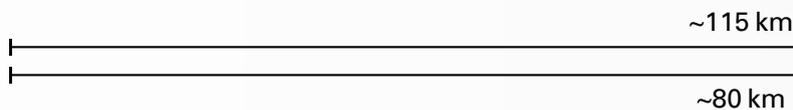
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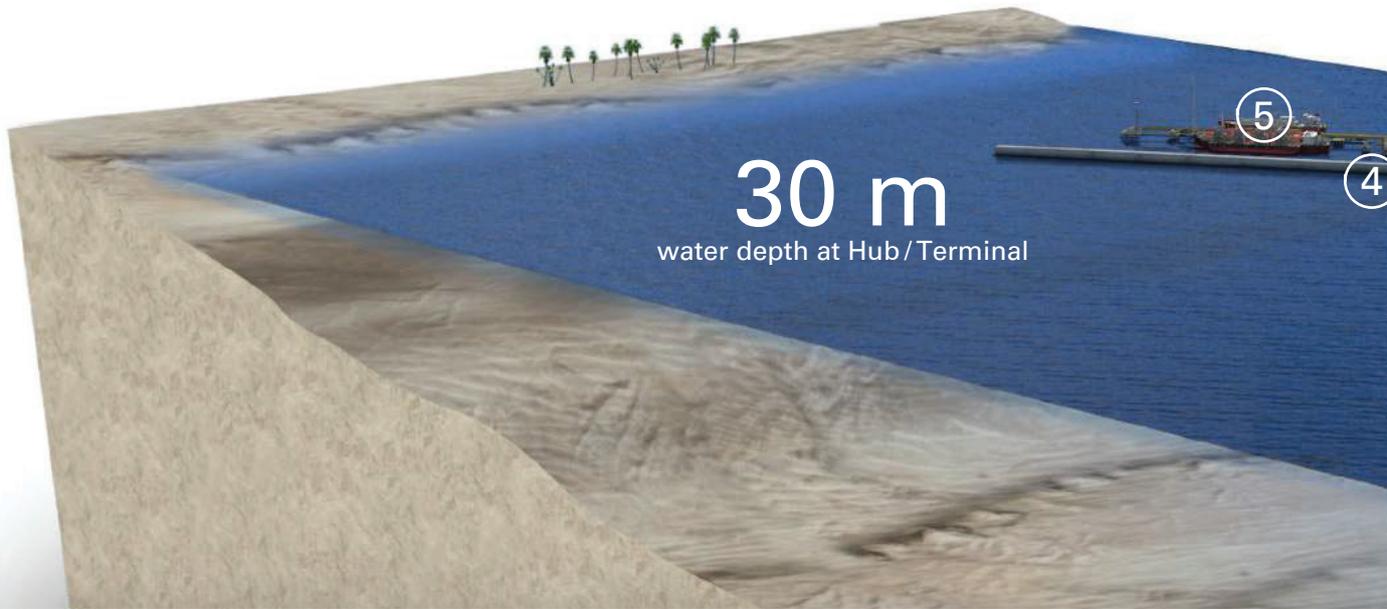
2,850 m

Ultra deepwater subsea development

Phase 1

2015: Tortue discovery

2016: Tortue approval



30 m
water depth at Hub / Terminal

5

4

LNG Hub Terminal



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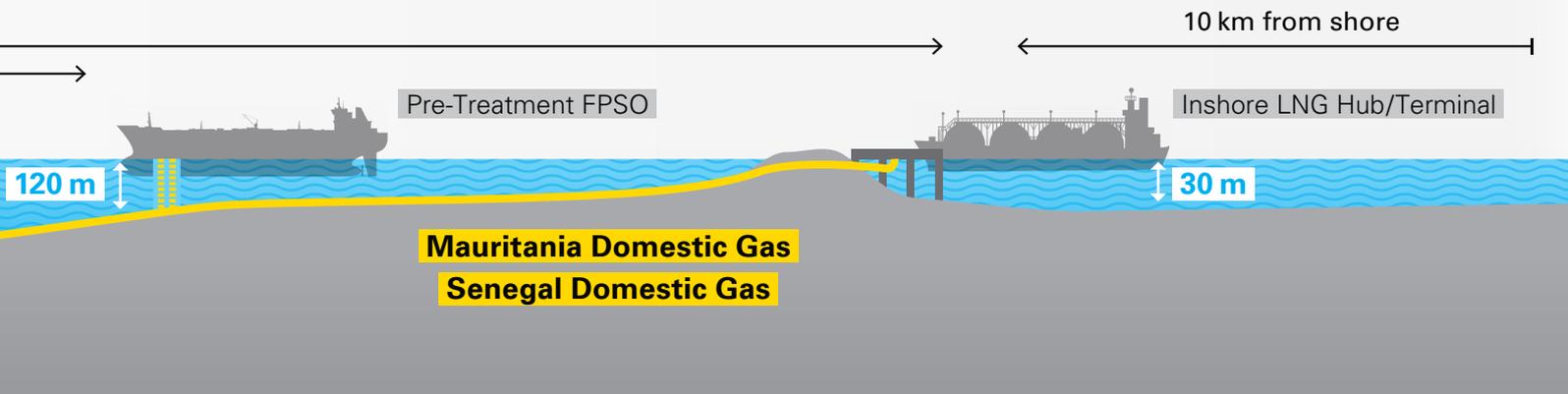
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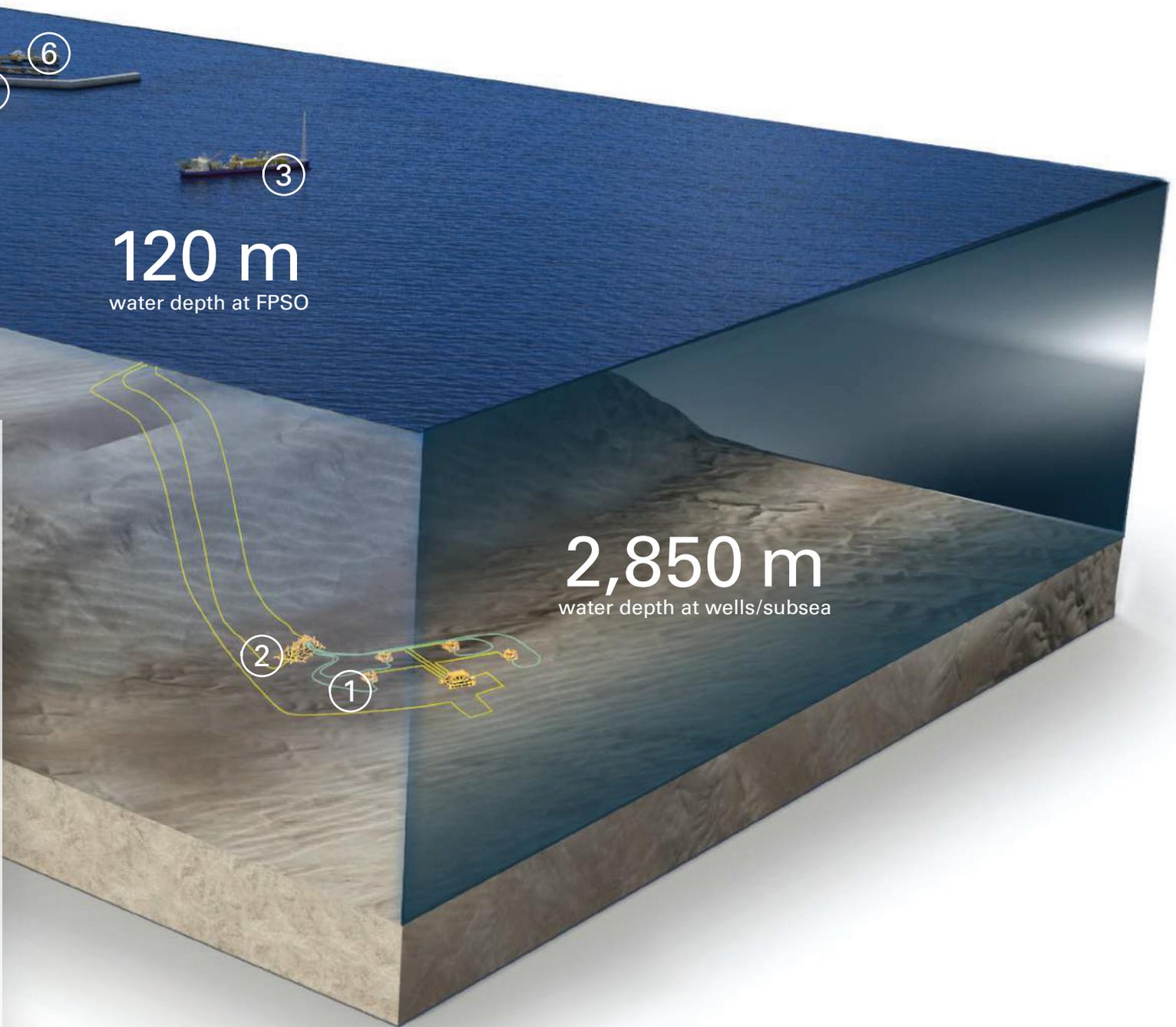
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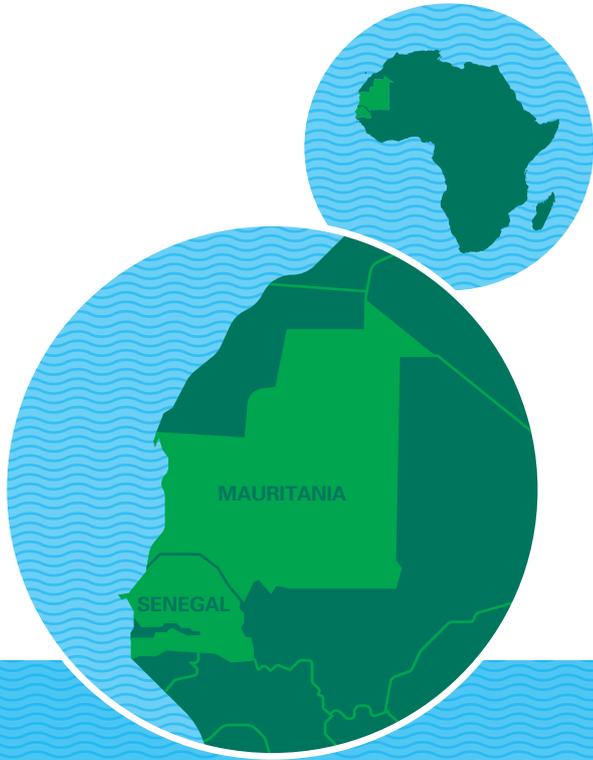
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