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, 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 it 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 mscfd)

Subsea
Large bore gas subsea production system (FPS), the deepest subsea system installed by bp to date

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

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

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

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bp Mauritania & Senegal
A unique partnership with two countries

The Greater Tortue Ahmeyim Project

Creating a new energy hub in Africa
Partnering to deliver a bright energy future for Mauritania and Senegal

At a glance

3
The number of appraisal wells drilled by bp in 2019 including GTA-1, Yakaar-2 and Orca-1.

5
Number of blocks in which activities are ongoing (three in Mauritania and two in Senegal), in addition to the GTA Unit.

30+
30+ years 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.

24,300 km²
24,300 km² covered by the Kosmos and bp partnership across the 5 blocks.

15 trillion cubic feet
15 trillion cubic feet at the estimated gas production potential, enough to support production for 30 years or more.

$multi-billion
$multi-billion investment in the region over the lifecycle of the Tortue/Ahmeyim project.

2023
2023 the year that bp expects first gas production to begin.

Mauritania
Population 4.1 million (2020 estimate National Statistics Office of Mauritania)
Area 1,033,000 km²
Capital Nouakchott
Official language Arabic

Senegal
Population 16.2 million (2019 National Agency of Statistics and Demography of Senegal)
Area 196,722 km²
Capital Dakar
Official language French

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bp in proud partnership with KOSMOS ENERGY, SMHPM, and PETROSEN.
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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

Phase 1
2015: Tortue discovery
2016: Tortue appraisal drilling

Greater Tortue Ahmeyim Phase 1 is the first step in establishing the basin as a world-class gas province and a major LNG hub.
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.

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

Pre-Treatment FPSO

Inshore LNG Hub/Terminal

Mauritania Domestic Gas

Senegal Domestic Gas

2017: bp starts project engineering & planning.
Domestic gas

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

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**MAURITANIA**

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- **Area**: 1.03 million km²
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**Discovered fields**
- Orca-1
- GTA-1
- Marsouin
- St Louis Offshore Profond
- Cayar Offshore Profond
- Yakaar
- Yakaar-2
- Block C12
- Block C13
- Block C8

**October 2020**