



# GTA Gazette

quarterly newsletter

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in partnership with



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I'm delighted to welcome you to the first edition of the GTA Gazette.

We want to stay connected with you - our key stakeholders - and this quarterly update will bring you the latest from the Greater Tortue Ahmeyim Project, updates on our local content activities and a look ahead at what's to come. We hope the pages of this newsletter will bring to life the incredible scale of activities happening here, in both Mauritania and Senegal. "



**Mohamed Limam**

Vice-President and Head of Country, Mauritania



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It's a very exciting time for bp and our partners in Mauritania and Senegal. Activities are significantly ramping up offshore, as this world class LNG project comes together. We hope you enjoy this insight into both the technical side of this mega project, combined with the stories of real people touched by this exciting development. "

*Massaer Cisse*

**Massaer Cisse**

Vice-President and Head of Country, Senegal





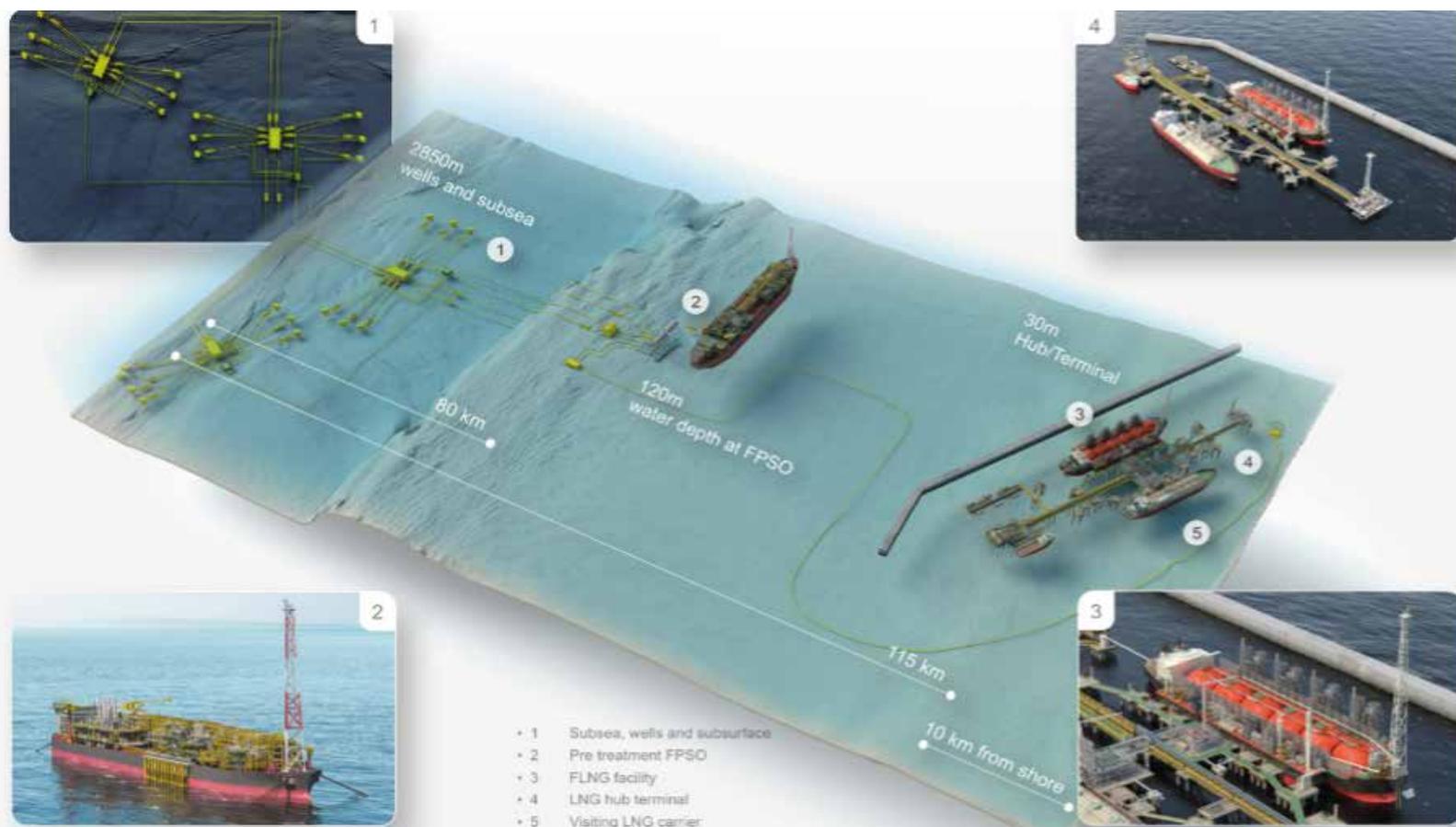
Greater Tortue Ahmeyim

# The GTA Project

In Mauritania and Senegal, bp and its partners Kosmos Energy, Société Mauritanienne des Hydrocarbures (SMH) and Société des Pétroles du Sénégal (PETROSEN) are developing the Greater Tortue Ahmeyim Project (GTA), an innovative offshore LNG project.

## Key facts

- GTA is a gas project on the maritime border between Mauritania and Senegal.
- The field is located *120 kms* offshore, in a water depth of *2850m*, the deepest subsea infrastructure in Africa.
- Phase 1 is the first step in establishing the basin as a world class gas province and major LNG Hub.
- It is set to produce around *2.5 million tonnes* of LNG per year.
- Phase 1 is designed for over *20 years* of production, with potential to extend.
- Last year it was granted the status of National Project of Strategic Importance by the Presidents of Mauritania and Senegal.



# GTA - Achievements to-date and activity look ahead

As of March 2022, GTA phase 1 was over **70%** complete. We recognise all the teams efforts in delivering these major milestones.

## Milestones in Mauritania & Senegal

- In Mauritania, over **2 million tonnes** of rock has been locally produced, transported over **275 km** and installed offshore. It provides the foundation for the breakwater, a **125 km** structure that will protect visiting LNG vessels from prevailing weather conditions.
- In Senegal, construction of the **21st** and final caisson is complete and waiting to be installed at the hub location to finalise construction of the breakwater.
- At the project site, offshore Mauritania and Senegal, construction is underway with piling and beams being installed to form the hub terminal foundation.
- At the future offshore FPSO location, **16 mooring** piles were recently transported and installed, which will secure the mooring of the FPSO.

## Look ahead

Subsea installation has started with underwater surveys and all major structures, pipelines and flexible products securely installed by the end of 2022. This system will connect every part of the project including the wells, FPSO and the Hub and will be the deepest subsea infrastructure in Africa.

The Valaris DS-12 drilling rig has arrived in Mauritania and drilling has commenced of four deep-water wells, with trees installations and completions scheduled as part of the activity throughout the year.



# Milestones from across the world

## FLNG

In Singapore, progress is being made toward completion of the Floating Liquefied Natural Gas (FLNG) vessel's construction and conversion.

# 1000-Tonnes

Two of four LNG train superstructures were safely lifted into place.

## FPSO

In Qidong, China, construction on the Floating Production, Storage and Offloading (FPSO) vessel is ongoing.

The team continues to drive the integration and commissioning of the topside modules as we focus on preparations for sail away.



## Hub Terminal

In Karimun, Indonesia, all facilities, modules and structures are near completion. The first two loadouts have set sail for the region to continue marine construction.

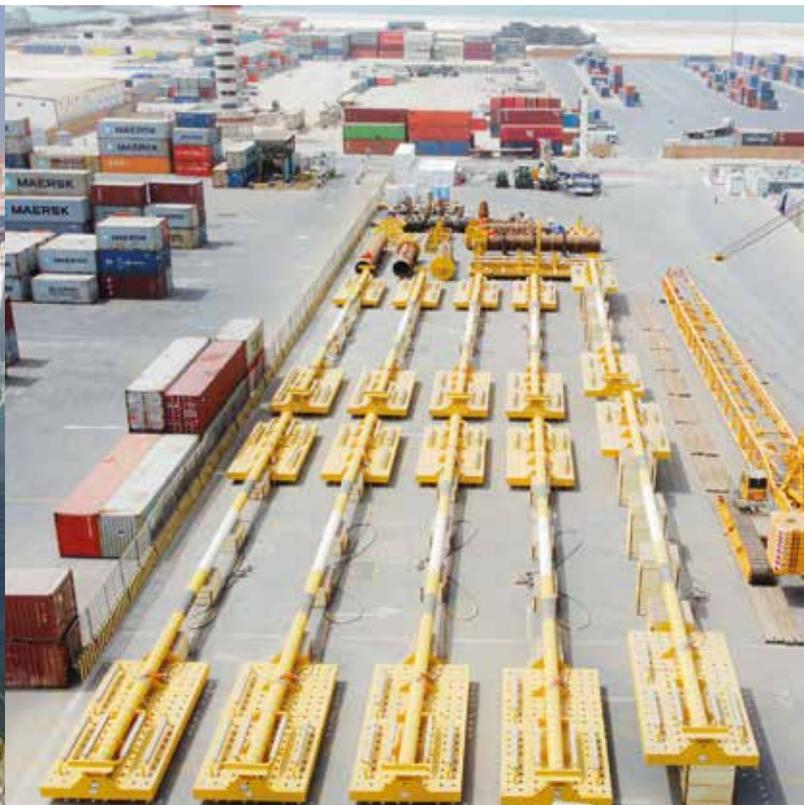
In China, the Quarter Utilities (QU) facilities construction and jack-up trial is complete, and commissioning activities are well underway.

## Subsea

The subsea system that is fabricated in Batam, Indonesia is continuing to arrive in Nouackchott ahead of installation. It is

*130km Long*

and will be installed in a water depth of up to 2850m.



# Spotlight on Caisson construction

The GTA Phase 1 project recently hit another major milestone with the successful sail-away of the last of the 21 concrete caisson from Dakar, Senegal.

## Caisson facts

- They are *16,000-Tonne* structures, each nearly the size of the Arc de Triomphe.
- The fabrication yard where the caissons were built is the first of its kind in Africa.
- More than *2,000* Senegalese have been employed to support the construction work.

## What's next?

The final caisson will sail to GTA's hub terminal, where it will be installed to complete the 1.25-kilometre breakwater, which is a structure designed to protect visiting LNG vessels from prevailing weather and ocean conditions.



**1.25km**  
breakwater caisson

# Spotlight on Subsea

In March, **Mohamed Limam**, bp VP and Head of Country Mauritania and **Emil Ismayilov**, bp SVP Mauritania and Senegal, hosted **Abdessalem Ould Mohamed Saleh**, Minister of Petroleum, Mines and Energy of Mauritania, **Colin Wells**, UK Ambassador to Mauritania and other project stakeholders at the subsea yard at Nouakchott Port.

## Walkthrough

The group toured the yard to view the impressive subsea structures before they are installed.

## What's next?

Over the coming months the equipment stockpile will grow; the remaining linepipe and subsea structures will arrive on cargo vessels, and construction vessels will be mobilised at Nouakchott Port.

## fun facts

GTA is made up of the deepest subsea infrastructure in Africa spanning **130km** in length and in water depths of up to **2,850m**.

The subsea network includes **310km** of linepipe, **91km** of controls umbilicals, **80km** of fibre optic cables and over 100 fabricated structures connecting the wells to the FPSO and then to the Hub.





*Local content*

# Local content corner

## Our vision

Our local content strategy aims to bring benefits from our operations to the wider economy in Mauritania and Senegal.

We do this by sourcing locally, where local companies meet industry standards and requirements, and constantly striving to build supplier capability and awareness.

As we look ahead to production and the skills and resources needed to support the long-term development of the energy industry, we also focus on developing our people and workforce.

At the local level we strive to support sustainable development in our host communities through social investment initiatives.

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The supplier portal was created to promote transparency of opportunities in the supply chain. It gives the local market a place to register their interest directly with bp and allows bp's global procurement practitioners to use it as a source for potential suppliers. ”

**Anne Gaye**

PSCM Analyst, bp



# Procurement opportunities

At bp we encourage local participation in the supply chain where the right capabilities exist and look to support local suppliers on their journey into industry.

The Supplier Registration Portal has been launched on the bp Mauritania and Senegal websites and is a key tool to support this commitment.

## Highlights include

- Information on potential opportunities.
- How to participate and enhance competitiveness.
- Full visibility for local suppliers of upcoming request for proposals and requests for information (RFPs/RFI)

## Upcoming supply chain opportunities

- Independent surveyor
- Tugs services
- Commercial scheduling
- Radar early warning
- Ship vetting services
- Maintenance pigging services
- Catering services

# workforce development

## Trainee technicians programme

**As part of our commitment to workforce development, bp set up a national technician apprentice programme.**

The 4-year course aims to train, develop, and prepare the 49 participants to work safely and compliantly on GTA phase-1 operations. It also looks to increase local capabilities and create a strong talent pipeline for Mauritania and Senegal's growing energy industries.

### The story so far:

They have completed a year of English language training and attended the Institute National du Petrole et du Gaz (INPG) in Dakar or the Ecole Superieure Polytechnique (ESP) in Nouakchott, for technical training. Since September 2021, they have been studying at the Forth Valley College in Glasgow, Scotland to gain international qualifications.

### What's next?

Next year the technicians will be seconded to bp operating regions to gain hands on experience before being deployed to work as qualified technicians on GTA phase- 1



*Trainee technicians at Forth Valley College, Scotland*

## Meet the technicians

Representatives from bp, INPG's Executive Director Aguibou Ba and representatives from the Senegalese embassy in the UK recently travelled to Glasgow to meet the trainee technicians and have a tour of the world-class facilities at the Forth Valley College.

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It was great to see this important stage of the programme in action, as it provides the tools and support needed for them to become safe and experienced operators and builds the capability required to develop the energy industry in Mauritania and Senegal.”

**Rebecca King**

VP Production Mauritania & Senegal, bp



*Trainee technicians and visitors at Forth Valley College, Scotland*

# Partnership updates

bp recently extended its support to the National Institute for Oil and Gas (INPG) for another 4 years. bp's contributions have included providing financial support for the construction of the center, equipment and the running of training sessions.

## INPG

### In February

Eight bp sponsored masters' students returned to Senegal after an **internship assignment in Malaysia**. Over **22 weeks** the students gained hands on experience that is essential in preparing them for future placements in the energy sector. The first **4 months** of training took place at INSTEP, a world-class technical training institute, followed by **6 weeks** training at PETRONAS commercial plants.

### In March

INPG collaborated with the Direction de l'Environnement et des Etablissements Classés (DEEC) of the Ministry of Environment, to host two **capacity building workshops** for the GTA phase 1 ESIA technical committee. Additional sessions will be scheduled until the end of the year as part of our commitment to support regulator capacity development.

## NITC

Nouakchott Interactive Training Center has already delivered numerous trainings this year, with the support of bp and partners, including:



A **COVID-19 knowledge sharing** session with the Mauritanian Ministry of Health, which included discussions on officedemobilisation, business continuity measures and employee health and well-being.



A **process safety fundamentals** training session, delivered by bp health, safety and environment specialists. Which gave insight into the process safety challenges within the industry and how we can manage, control and mitigate risk.



A **labour rights and worker welfare** training session was held with relevant industry ministries, as part of our commitment to ensure bp employees, contractors and service partners are treated with dignity and respect and to ensure we uphold the UN human rights principles, ILO labour rights and respect local laws.

## bp's approach to *social investment*

The **GTA social investment strategy** aims to provide positive benefits through the promotion of sustainable socio-economic development for the host communities.

Our social investment strategy is based on a partnership approach with evolving projects that focused on four themes:



### *Community health*

strengthen the access and quality of health services and increase community health awareness.

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### *Economic development*

development - contribute to the livelihood development of the local communities (SI).

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### *Education*

strengthen the access and quality of primary and secondary education.

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### *Environment*

Increase environmental awareness, access to water, sustainable use of resources, marine biodiversity research and conservation.

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## Education feature - Senegal

Projects started in 2019, to improve the access and quality of the education services in Langue de Barbarie and Gandiol. They aim to strengthen community involvement in school management and broaden education outreach, through setting up a “mobile education” programme

### Key achievements to date include

8,295

students benefitted  
from programmes

1,392

school equipments  
provided

335

teachers and school  
managers trained

28

school infrastructures  
renovated

## Supporting the Fishing Community

Recently, bp held workshops in St Louis, Senegal and Nouakchott, Mauritania to gather inputs into the Fishing Community Livelihood Support Plan (FCLDP).

It was an important opportunity to gather feedback from the relevant local and national authorities, fishing and local communities and project partners, to deepen our understanding of local development needs and priorities.

# Community health feature - Mauritania

Projects started in 2018, to improve the access and quality of primary health care services in the Ndiago area. They aim to raise awareness on health and sanitation, with focus on basic health care and endemic diseases, hygiene and water, motherchild health care, malnutrition, prevention of STIs and HIV/AIDS.

## Key achievements to date include

- Support for **14,000** medical consultations
- Training of **35** medical staff
- **15** health campaigns/mobile clinics have been conducted
- **3** health clinics/ medical facilities renovated and equipped
- Support for **331** medical evacuations in Rosso, Nouakchott



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