



## Supply of gas products

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### Investment opportunity #1: LNG bunkering project

- ▶ **Description:** Construction of LNG bunkering infrastructure to supply liquefied natural gas to LNG-fuelled ships directly at sea. The project components are: 1.analysis of the LNG bunkering market, 2.identification of the main customers (ship owners), 3.signing of long-term contracts and 4.purchase of tankers
- ▶ **Investment:** 80 M USD
- ▶ **Type of partnership:** Creation of a Joint Venture Petrosen: 51%, Partner: 49%.
- ▶ **Duration of the partnership:** 25 years
- ▶ **Execution structure:** PETROSEN T & S
- ▶ **Location:** Atlantic coast

### Investment opportunity #2: Virtual Natural Gas Pipeline Network

- ▶ **Description:** Construction of a virtual natural gas pipeline network consisting of:
  - ▶ A gas liquefaction plant
  - ▶ A liquefied natural gas storage facility
  - ▶ Several natural gas storage and regasification units
  - ▶ A network of trucks to supply petrol stations, domestic customers, industrial customers and power stations
  - ▶ Project components: 1. framing: preliminary studies, 2. creation & structuring of the SPV with the TFPs, 3. contracting with industrialists to convert their engines to bi-gas / heavy fuel oil (HFO) and 4. development and construction
- ▶ **Investment:** USD 250 million in EPC over 25 years
- ▶ **Implementing structure:** PETROSEN, RGS
- ▶ **Location:** Kahone, Tambacounda, Matam, Kédougou, Ziguinchor

### Investment opportunity #3: Compressed and liquefied natural gas (CNG & LNG) refuelling stations

- ▶ **Description:** Design, engineering, and operation of vehicle conversion units: diesel/diesel to hybrid vehicles (gas/petrol) and CNG & LNG filling stations. The gas supply will be phased: Phase 1: via LNG carriers and Phase 2: via the Senegalese gas network
- ▶ **Investment:** USD 15 million
- ▶ **Implementing structure:** FONSI, TAQA ARABIA, PETROSEN, RGS
- ▶ **Location:** 2 conversion units in Diamniadio and 5 refuelling stations for phase 1 in Dakar

### Investment opportunity #4: Nitrogen fertilizer production plant

- ▶ **Description:** Creation of a nitrogen fertiliser production unit using natural gas (methane) combined with nitrogen from the air to form ammonia (80% of the gas used as a raw material to manufacture this fertiliser, 20% used to produce heat to maintain the reaction and electricity)
- ▶ **Investment:** USD 1.455 billion
- ▶ **Type of partnership:** (i) Third party investment: Land, customer base and operations provided by PT&S; (ii) Remaining investment by third party to be repaid by % of sales for an agreed number of years; (iii) Equity split: to be determined
- ▶ **Duration of the partnership:** 30 years
- ▶ **Execution structure:** PETROSEN T& S
- ▶ **Location:** Atlantic coast

#### Contact Promotion Agency

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#### Sector overview

- ▶ **Challenge:** In 2023, Senegal will become a gas producer via the transnational Grande Tortue Ahmeyim project followed by the Yakar Teranga gas project. There are significant investment opportunities along the oil and gas value chain. These will allow for the production of electricity for domestic and industrial consumption as well as the development of oil and gas products for the agricultural and industrial sectors.
- ▶ **Institutional support:** Ministry of Oil and Energy

