SENEGAL EMERGENT

INFRASTRUCTURE

Dry port of Kaolack

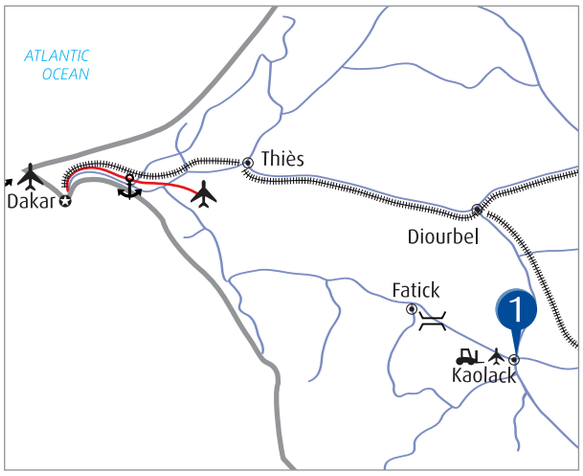
> Build a port infrastructure covering a surface area of 70 ha (30 ha for the port and 40 ha for non-core activities)

LOCATION
- Mbadakhoune, Region of Kaolack

STUDIES
- Feasibility: to be updated
- Technical: to be carried out

ESTIMATED COST
- 60 million US$

ACTORS
- Ministry of Industry and Mines



CHARACTERISTICS

Construction of a cereal terminal including:
- storage areas and facilities (open or closed storage, open air, in silos or warehouses)
- installations, facilities for handling, unloading, storage, packaging and loading
- port infrastructure and developments for cereal products

Construction of a cereal terminal including :
- a handling platform
- a track connected to the rail
- a truck parking space
- an unpacking area

SPECIFIC OBJECTIVES
- Put in place a regional logistics hub
- Contribute significantly to the development of the economic activities of the region of Kaolack
- Reduce the cost of trading with countries of the sub-region, like Mali
- Reduce the length of the Kaolack - Dakar - Kaolack journey through a reduction of 400 km for tractor-trailers from Mali, Gambia and Guinea

OVERVIEW OF THE SECTOR
- Strategic geographical position of the region of Kaolack
- Promising cereal sector with various national programs and growing consumption
- Main cereals: rice, millet, corn, sorghum
- National production in 2012: 2 035 million tons
- National production in 2015: 2 795 million tons

PPP PROJECT

SENEGAL EMERGENT

INFRASTRUCTURE

Dakar Tramway

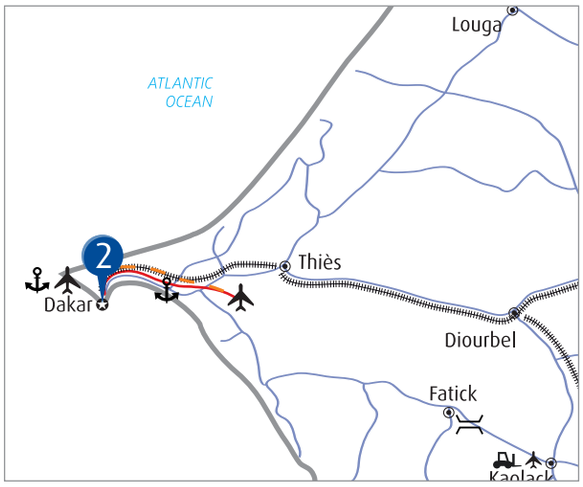
> Build a network of urban Tram of 35 kilometers

LOCATION
- Dakar

STUDIES
- Feasibility: carried out
- Engineering: to be carried out

ESTIMATED COST
- 734 million US$

ACTORS
- Ministry for Infrastructure, Land Transport and Road development



CHARACTERISTICS

- Installation of equipment and rolling stock (rail, trains, electrical sub-stations)
- Building of stops, deposits and signage, with accommodation and integration within the urban environment
- Building and equipment maintenance center and a post of command and supervision

SPECIFIC OBJECTIVES
- Improve travel conditions and quality of life for people in the city of Dakar
- Promote a balanced sharing of public spaces between pedestrians and transport modes
- Develop a multimodal transportation system efficient and effective

OVERVIEW OF THE SECTOR
- Nearly 9 million trips per working day, nearly 82% are made by foot
- Mobility rate: 4,7 trips per person per day in 2003 (Source ''Enquêtes Ménages'' 2001)
- 1.7 million vehicle trips per day by 2025 (19% of total trips)
- 1.2 million trips TC/day by 2025 (13% compared to the total travel)

PPP PROJECT

SENEGAL EMERGENT

MINING

Integrated Falémé iron project

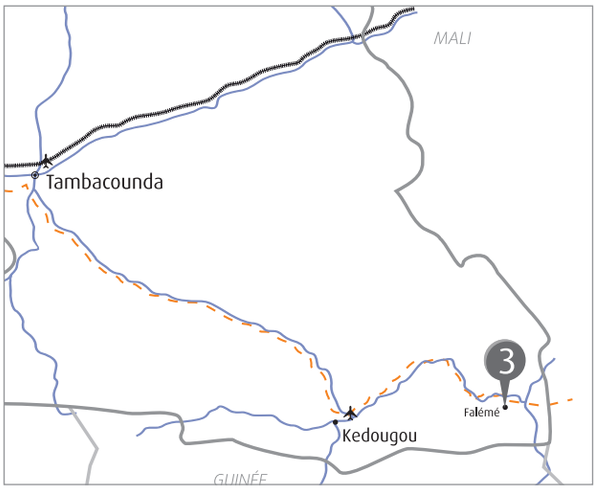
> Exploit 15-25 million tons of iron ore

LOCATION
- Falémé, Region of Kédougou

STUDIES
- Feasibility: carried out

ESTIMATED COST
- 202 million US$ (out port in Bargny and railway)

ACTORS
- Ministry of Industry and Mines
- Ministry of Infrastructure, Road Transport and Improved Access
- APIX S.A.



CHARACTERISTICS

Component 1
(classic project financing: estimated cost to 1500 million US$, see sheet "Railway Dakar-Tambacounda-Kedougou-Bamako")
- Construction of 'rail infrastructure: ''Falémé-Tambacounda, Tambacounda-Dakar, Dakar-Bargny'' railway line

Component 2
(PPP project: estimated cost to 736 million US$)
- Building port infrastructure: bulk ore port in Bargny

Component 3
- Construction and exploitation of mine

SPECIFIC OBJECTIVES
- Effective exploitation of the Falémé deposit during the 2014-2015 period
- Produce 15 million tons of iron annually during the 2014-2015 period
- Partially export and sell locally to back-up the Building and Civil Engineering Industry

OVERVIEW OF THE SECTOR
- High quality iron deposits
- Mine life estimated at 20 years
- Average extraction of 12 to 15 million tons of iron ore per annum
- Forecast production of 25 million tons per annum in 2024
- Possibility –thanks to the railway line- to take advantage of Falea iron and bauxite mining in Mali

PPP PROJECT

SENEGAL EMERGENT

HIGHER EDUCATION

Second university of Dakar

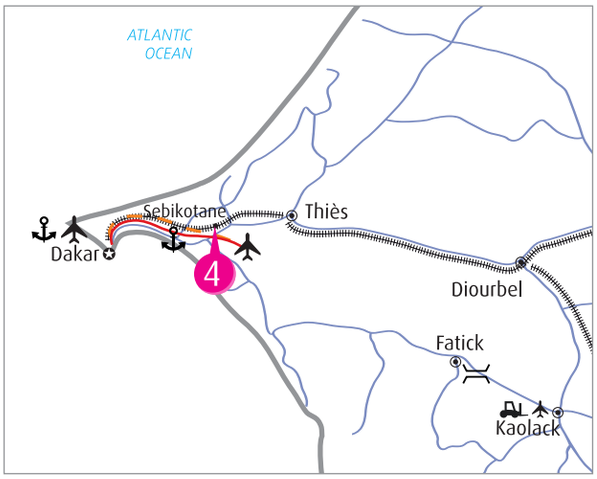
> Build a world-class university oriented in Science, Technology, Trade, Management, Economics and Social Sciences

LOCATION
- Sébikotane, Dakar suburbs

STUDIES
- Pre-feasibility: carried out
- Feasibility: to be carried out

ESTIMATED COST
- 200 million US$

ACTORS
- Ministry for Higher education and Scientific research
- Ministry for Health and Social Action



CHARACTERISTICS

Construction and equipment of:
- Administratives infrastructures (rectorate, tuition, conference rooms, offices, etc.)
- Teaching and Research Infrastructures (auditoriums, classrooms, labs rooms, workshops, research laboratories)
- Social and leisure infrastructures (student halls of residence of 15 000 beds and amenities; staff quarters; university hotel; restaurants; cultural and sports complex)

SPECIFIC OBJECTIVES
- Position Senegal among the leading countries in quality Higher education provision
- Participate in expanding access to higher education, and innovation in the choice of courses
- Linking training to the needs of the labour market and the country's development

OVERVIEW OF THE SECTOR
- Number of expected students : 30 000
- Accommodation rate on the number of expected students: 75% (22 500 students)
- Annual growth rate of student number: 15%

PPP PROJECT

SENEGAL EMERGENT

HIGHER EDUCATION

City of Knowledge

> Develop on a site of 12 hectares of the "City of Knowledge" by international standards

LOCATION

- Diamniadio new city, Dakar suburbs

STUDIES

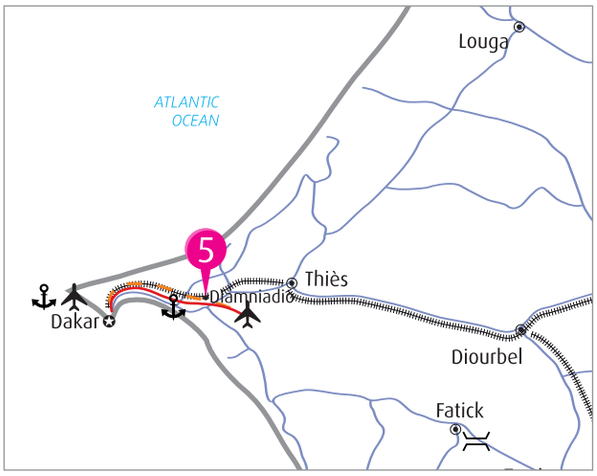
- Pre-feasibility: carried out
- Feasibility: to be carried out

ESTIMATED COST

- 90 million US$

ACTORS

- Ministry of Higher Education and Scientific Research



CHARACTERISTICS

Construction and equipment of the following areas:

- Digital education pool
- Management Information Systems pool
- Technical services pool
- Governance and Evaluation pool hosting the headquarters of the following institutions
- Market Research, Innovation and Technology Transfer pool
- Scientific and technical culture pool
- Relaxation and leisure centre

SPECIFIC OBJECTIVES

- Bring Higher Education, Research and the world of Business together
- Promote innovation, research and the creation of innovative businesses
- Strengthen the managerial capacity of managers in higher education institutions
- Promote a scientific culture

OVERVIEW OF THE SECTOR

- Expected flow of civil servants: ≈600 civil servants, given the current workforce and facilities in the making (such as the Pooling Centre, DGR, DCEU, etc.)
- Investment opportunity: construction of offices and innovative buildings that do not exist in Senegal (eg Cloud Computing Centre)
- Occupancy expected rate: 100%, for the administrative side

PPP PROJECT

SENEGAL EMERGENT

HIGHER EDUCATION

Higher vocational training institute

> Set up a network of vocationally oriented public higher education institutions

LOCATION

- Dakar and suburbs
- Regions of Thies, Diourbel, Saint Louis, Kaolack, Kédougou, Bignona
- Priority development regions (Matam, Tambacounda, Ziguinchor)

STUDIES

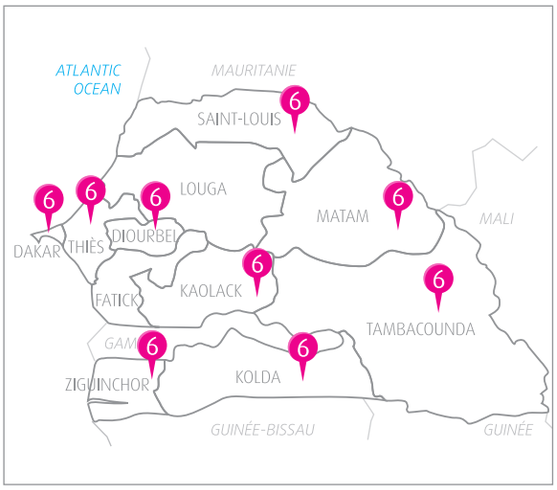
- Feasibility and technical: carried out

ESTIMATED COST

- 160 million US$

ACTORS

- Ministry of Higher Education and Scientific Research



CHARACTERISTICS

Construction:

- educational facilities (amphitheatres, classrooms, laboratories, workshops and practical classrooms, computer and multimedia rooms, documentation centre)
- administrative infrastructure (offices, multi-purpose or meeting rooms)

Equipment:

- specialized equipment for laboratories, technical rooms, workshops and practical classrooms

SPECIFIC OBJECTIVES

- Increase the weight of the higher education system and the program for competitiveness and growth of Senegal
- Improve the employability of young graduates
- Develop short programmes (Bac+2) that meet economic needs and result in Senior Technician's Diploma
- Train qualified and skilled labour to meet the needs of the productive sector

OVERVIEW OF THE SECTOR

- Active population: 3 406 193
- Youths aged between 15 and 34 representing 50% of the active population
- Unemployment rate: 12.9%
- Underemployment rate: 27.7%

PPP PROJECT

SENEGAL EMERGENT

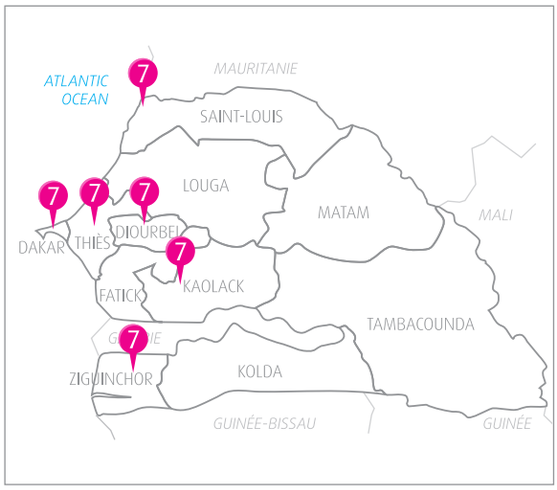
HIGHER EDUCATION

University residences

> Build several university residences of international standard with a total accommodation capacity of over 40 000 students

LOCATION

- Dakar (Université Cheikh Anta Diop)
- Saint-Louis (Université Gaston Berger)
- Diourbel (Université Alioune Diop de Bambey)
- Thiès (Université de Thiès and Ecole polytechnique de Thiès
- Ziguinchor (Université Assane Seck)
- Kaolack, Kaffrine, Fatick and Diourbel (Université du Sine-Saloum)



STUDIES

- Technical: to be carried out

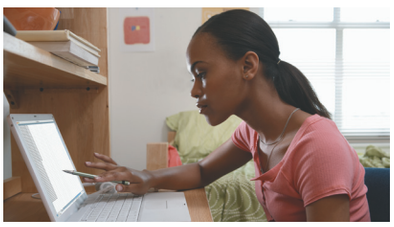
ESTIMATED COST

- 280 million US$

ACTORS

- Ministry of Higher Education and Scientific Research

CHARACTERISTICS



Construction and equipment:

- 6 700 rooms and 9 large capacity kitchens restaurants (1st phase)
- 5 800 rooms and 10 large capacity kitchens restaurants, 10 medical centres and sports rooms (2nd phase)

SPECIFIC OBJECTIVES

- Improve the student success rate by providing them with a better working environment
- Strengthen the reception capacity of the social infrastructure of universities (residences, restaurants, medical services)
- Improve the quality of social services provided on campus (accommodation, food, etc.)

OVERVIEW OF THE SECTOR

- Current student population of all universities put together: 16 000
- Prospects for the increase in student population (existing universities and future Université du Saloum): 44 000
- Housing demand unmet in the medium term: 28 000

PPP PROJECT

SENEGAL EMERGENT

HEALTH

Cancer prevention centre

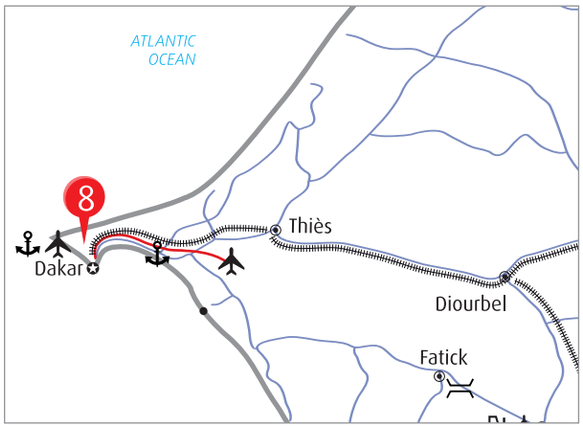
> Build of a health structure specialised in cancer to provide care, deliver teachings and perform research

LOCATION
- Dakar

STUDIES
- Pre-feasibility: carried out
- Feasibility: to be carried out

ESTIMATED COST
- 30 million US$

ACTORS
- Ministry of Health and Social Action



CHARACTERISTICS

Building and facilities of:
- a unit of cancer surgery
- a multipurpose admissions unit
- a day surgery for chemotherapy
- a radiotherapy unit with two (02) bunkers for particle accelerator
- a medical imaging center with CT, MRI and PET Scan
- a unit composed of bio-pathology, pathology laboratories, laboratory of molecular biology and biochemistry and bacteriology and virology lab
- consultation and out-patient unit
- an administrative office block with a tumour registry
- teaching and research unit
- receptive for carers for patients
- a technical unit (kitchen, laundry, maintenance workshop etc.).

SPECIFIC OBJECTIVES
- Identify the medical platter by setting up an infrastructure with international standards, dedicated to a condition whose incidence is ever-increasing (in constant development at the national and sub-regional level)
- Provide support to Senegalese patients and in the sub-region in order to reduce costly evacuations to Europe, North Africa and South Africa
- Centralise assets and human resources for an efficient and multidisciplinary cancer care

OVERVIEW OF THE SECTOR
- Welcoming patients from several countries in the ECOWAS region
- Number of patients admitted per year: 6148
- Deficit to cover: 51% of cancer patients and not cared for in 2012

PPP PROJECT

SENEGAL EMERGENT

HEALTH

Aristide Le Dantec Hospital

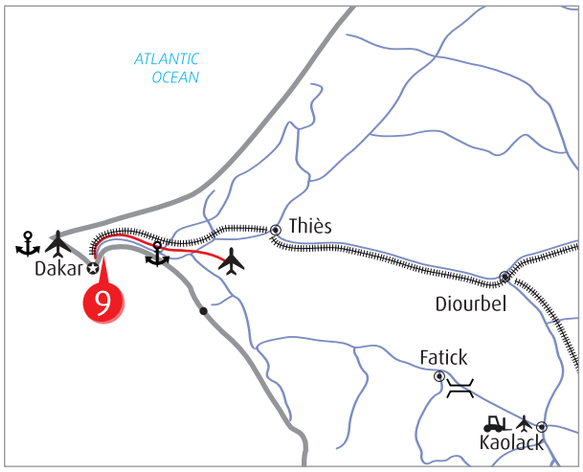
> Overhaul of Aristide Le Dantec hospital which has the greatest potential of human resources in the health field throughout West and Central Africa

LOCATION
- Dakar

STUDIES
- Pre-feasibility: carried out
- Feasibility: to be carried out

ESTIMATED COST
- 160 million US$

ACTORS
- Ministry of Health and Social Action



CHARACTERISTICS

- Building in process by phases of functional infrastructures poles
- Helipad to be built
- Purchase of last-generation medical equipment
- Full use of human capital

SPECIFIC OBJECTIVES
- Overall, migrate from a third level hospital to a 4th generation one.
- Turn Aristide Le Dantec hospital into a modern university hospital.
- Comply infrastructures and equipments to modern state of art hospital norms (792 beds)
- Create adequate physical and medical conditions for better management of patients
- Train good quality health professionals
- Develop a conductive environment for basic and applied research
- Promote hospital hygiene and the quality and safety of acts based on ISO standards

OVERVIEW OF THE SECTOR
- Welcoming patients from several countries in the ECOWAS region
- Renown medical expertise
- Current capacity: 515 beds
- 50% shortage in capacity
- Admissions: 10 000 patients per year
- Medical consultations: 100 000 patients on average per year
- Surgical interventions: 6,300 on average per year

PPP PROJECT

AGRICULTURE

Implementation of 100-150 aggregation projects targetted on livestock and HVA sectors

> Create of 100-150 aggregation projects (farms) in the sectors of horticulture (fruits and vegetables) and livestock (dairy,poultry, etc.)

LOCATION

- Niayes
- Senegal River Valley
- South Zone
- Central Zone (North and South)

STUDIES

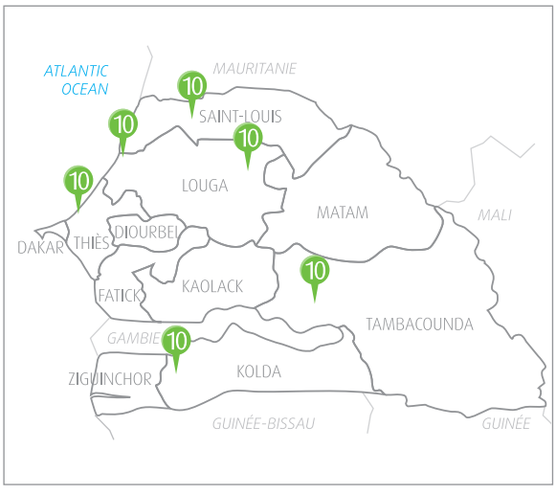
- Pre-feasibility: carried out
- Feasibility: to be carried out

ESTIMATED COST

- 178 million US$

ACTORS

- Ministry of Agriculture and Rural Equipment



CHARACTERISTICS

- Organisation of small farmers around highly productive modern operators with high level of productivity
- Development of service packages: funding, access to inputs / agricultural machinery, technical support / supervision, collection of production / processing / marketing
- Development of dedicated spaces, construction of storage and processing facilities and access roads
- Facilitate the establishment of seven major aggregation models depending on the vocation of the aggregator, its mode of governance and its degree of involvement in the production

SPECIFIC OBJECTIVES

- Position Senegal as a major exporter of fruits and vegetables, by doubling its production
- Identify the aggregators of the first wave before 2015 and a further 50-100 before 2023
- Implement 50 aggregation projects before 2015 and 50 to 100 projects more before 2023
- Increase productivity and mentor farmers and producers
- Acceleration in industrialisation and modernisation of the industry

OVERVIEW OF THE SECTOR

- Satisfactory fruits and vegetables yields: 23 TPA of onion 29 TPA of potato and 30 TPA of tomato, 20 TPA of melon, 12 TPA of mango and 24 TPA of banana
- A dynamic dairy and a promising urban local market for products, but dampened by a low coverage of the domestic demand

PPP PROJECT

SENEGAL EMERGENT

AGRICULTURE

Grains corridors

> Expand 3 to 4 grains corridors and intensify irrigated agricultural watersheds for the production of cereals (millet / rice / maize)

LOCATION

- Throughout the national territory

STUDIES

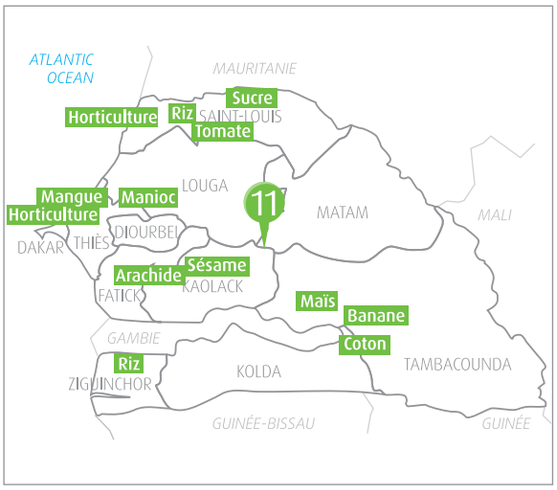
- Pre-feasibility: carried out
- Feasibility: to be carried out

ESTIMATED COST

- 620 million US$

ACTORS

- Ministry of Agriculture and Rural Equipment



CHARACTERISTICS

- Support the emergence of aggregators for the development of production and marketing of cereals
- Creation of « méga-farms »
- Establishment of processing equipment
- Establishment of irrigation infrastructure

SPECIFIC OBJECTIVES

- Develop a built-in incentive framework (PPP) and secure the land before the end of 2014
- Develop new seeds and upgrade agricultural infrastructure by 2018
- Double cereal production within ten (10) years
- Replace 30-50% of wheat consumption by local cereals

OVERVIEW OF THE SECTOR

A deficit in cereal production characterised by massive imports of rice and wheat:

- 1,205,000 tons de cereals imported for an estimated need 2,450,000 t in 2013
- Yield: 5 t / ha of rice - 1.5 t / ha of maize - 0.9 t / ha of sorghum, etc.
- 64% of irrigable land
- 35 billion cubic metres of freshwater resources
- 4 billion cubic meters of groundwater
- Target production by 2015: 2,795,000 tons

PPP PROJECT

SENEGAL EMERGENT

AGRICULTURE

Sea water desalination plant

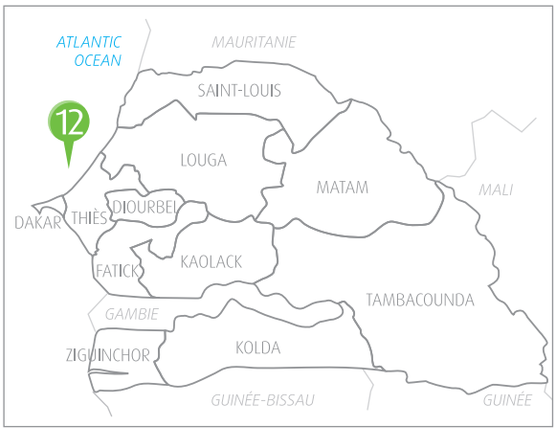
> Build a sea water desalination plant to obtain drinking water that can also be usable for irrigation

LOCATION
- Coastal area of Senegal

STUDIES
- Feasibility: carried out
- Environmental and Social Impact: to be finalized

ESTIMATED COST
- 80 million US$

ACTORS
- Ministry of Agriculture and Rural Development
- Ministry of Water Resources



CHARACTERISTICS

- Construction of an outlet into the sea
- Set up a raw water pumping station and a pre-treatment unit (pre-chlorination, floatation, clarification)
- Construction of storage and sludge drying infrastructure (storage and dehydration)
- Set up a reverse osmosis unit and a post-treatment unit (re-mineralization and final disinfection)
- Install a pipe to transfer water to the existing reservoirs
- Construction of operation buildings and a pipe for discharging brine
- Establish a system for connection from SENELEC's 90 KV loop (underground cable)
- Establish an autonomous energy generation plant

SPECIFIC OBJECTIVES
- Contribute to meeting the drinking water needs of the population of Dakar by 2025
- Ensure an additional production of 50 000 m^3/day by 2017 for the region de Dakar
- Make electricity available to about 200 000 additional people in Dakar by 2017
- Improve the quality of water distributed in the Dakar suburbs
- Reduce diseases linked to the water quality and improve the living conditions of the populations

OVERVIEW OF THE SECTOR
- Inadequate satisfaction of the populations' drinking water needs
- Need to increase and diversify the drinking water sources
- High demand for salt export on the international market

PPP PROJECT

SENEGAL EMERGENT

TOURISM

Tourist site of Joal Finio

> Develop the tourist island Joal Finio called “Shells island”, 800 meters long

LOCATION

- Petite Côte (small coast), in the Thiès region, about twenty minutes from the new Blaise Diagne International Airport and 80 km from Dakar

STUDIES

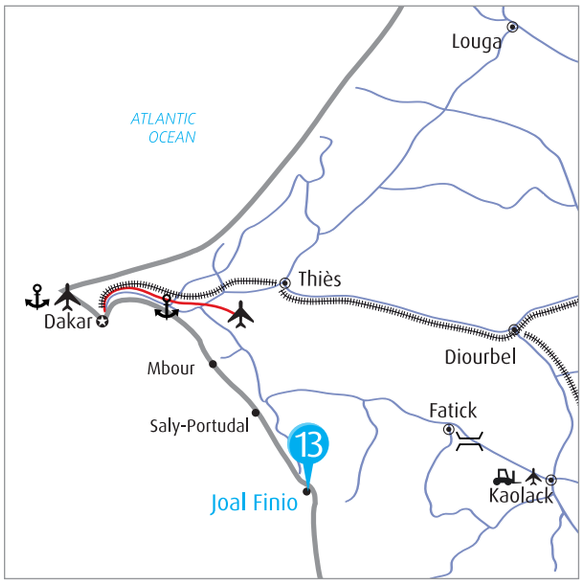
- Pre-feasibility: carried out
- Feasibility: to be carried out

ESTIMATED COST

- Infrastructures: 3 million US$
- Hotels: 13 million US$

ACTORS

- Ministry of Tourism and Air Transport



CHARACTERISTICS

- Construction of a hotel plot with a maximum capacity of 250 rooms with ancillary facilities
- Construction of a commercial driveway at the seaside
- Construction of two platform areas and a mini-amphitheater
- Development of a range of ecological garden and beach area 750 meters long, constituting the maritime public domain

SPECIFIC OBJECTIVES

- Create new generation resorts
- Increase the capacity of the Senegalese tourism industry
- Enhance and diversify the tourist product
- Protect the environment to save the Petite Cote coastline

OVERVIEW OF THE SECTOR

- Proximity with markets issuers (5 hours flight from Europe)
- 3 000 hours of sun per year
- Expected number of visitors: 1.5 million in 2016

PPP PROJECT

SENEGAL EMERGENT

TOURISM

Tourist site of Mbodiène

> Develop touristic infrastructures on an total area of 504 ha

LOCATION

- Petite Côte (small coast), in the Thiès region, about twenty minutes from the new Blaise Diagne International Airport and 115 km from Dakar

STUDIES

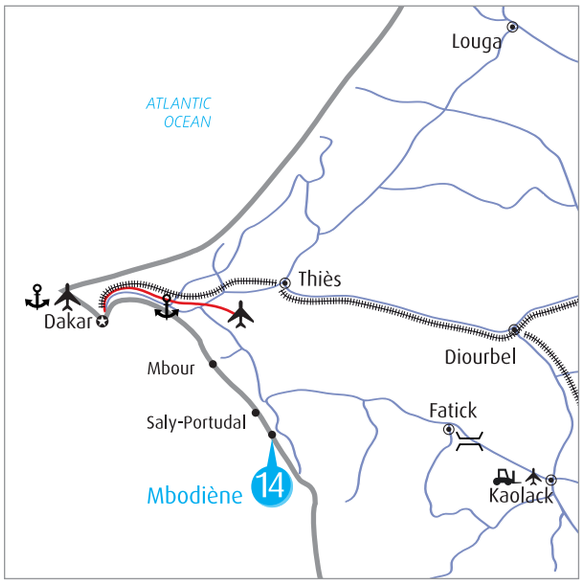
- Pre-feasibility: carried out
- Feasibility: to be carried out

ESTIMATED COST

- Infrastructures : 26 million US$
- Hotels : 380 millions US$

ACTORS

- Ministry of Tourism and Air Transport



CHARACTERISTICS

- Four (04) major hotel subunits ranging in size from 50 to 80 ha with a total capacity of 6,000 rooms with ancillary facilities
- Two (2) shopping centres
- Two golf courses with 18 holes
- A theme park
- Public access corridors to the lagoon and beach
- Three (3) pedestrian bridges overlooking the lagoon and giving the public access to the beach

SPECIFIC OBJECTIVES

- Create new generation resorts
- Increase the capacity of the Senegalese tourism industry
- Enhance and diversify the tourist product
- Protect the environment to save the Petite Cote coastline

OVERVIEW OF THE SECTOR

- Proximity with markets issuers (5 hours flight from Europe)
- 3 000 hours of sun per year
- Expected number of visitors: 1.5 million in 2016

PPP PROJECT

SENEGAL EMERGENT

TOURISM

Tourist site of Pointe Sarène

> Develop touristic infrastructures on an total area of 110 ha

LOCATION

- Petite Côte (small coast), in the Thiès region, about twenty minutes from the new Blaise Diagne International Airport and 95 km from Dakar

STUDIES

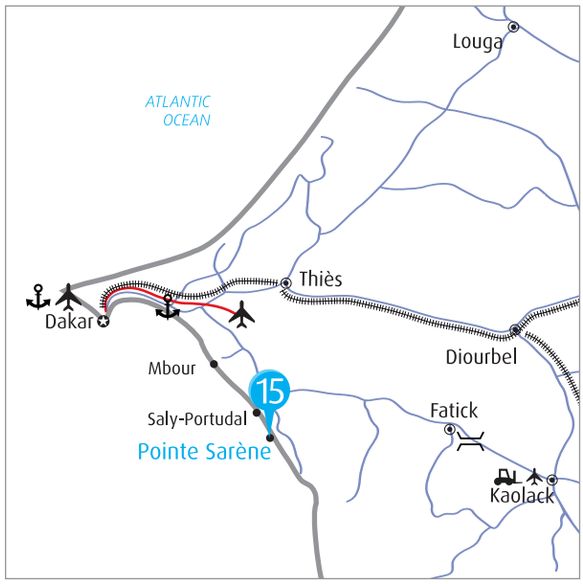
- Pre-feasibility: carried out
- Feasibility: to be carried out

ESTIMATED COST

- Infrastructures : 22 million US$
- Hôtels : 260 million US$

ACTORS

- Ministry of Tourism and Air Transport



CHARACTERISTICS

- Construction of five (5) areas of hotels ranging from 5 to 10 hectares and a capacity of 1600 rooms with ancillary facilities
- Construction of 120 high-end villas with panoramic sea views
- Construction of a shopping centre with a mini-amphitheater
- Development of a nautical base and marina
- Construction of public access corridors to the beach
- Development of beaches and dunes over 8 km long

SPECIFIC OBJECTIVES

- Create new generation resorts
- Increase the capacity of the Senegalese tourism industry
- Enhance and diversify the tourist product
- Protect the environment to save the Petite Cote coastline

OVERVIEW OF THE SECTOR

- Proximity with markets issuers (5 hours flight from Europe)
- 3 000 hours of sun per year
- Expected number of visitors: 1.5 million in 2016

PPP PROJECT

Integrated Special Economic Zone

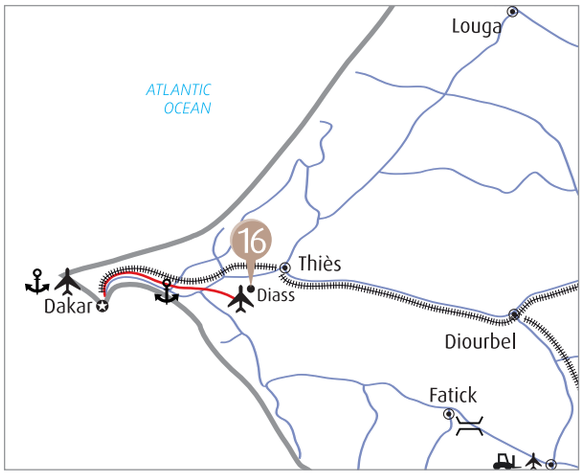
> Develop a reception area for economic activity, with a range of facilities and services of international standard (50 ha for the priority phase)

LOCATION
- Diass in the Thiès region

STUDIES
- Feasibility: carried out
- Technical : to be carried out

ESTIMATED COST
- 90 million US$

ACTORS
- Ministry of Investment Promotion and Partnerships



CHARACTERISTICS

Construction:

- warehouses on an area of 5 hectares
- offices floors and logistics platform
- freight village adjoining Blaise Diagne International Airport on an area of 5 hectares

land development over an area of nearly 40 hectares, reserved for the establishment of light industries

SPECIFIC OBJECTIVES
- Develop dedicated areas ready to use and capable of exerting a powerful ripple effect on the national economy
- Position Senegal as an integrated logistics platforms «hub» in West Africa
- Increase the capacity of the cargo area of the new Blaise Diagne International Airport by the introduction of freight Village

OVERVIEW OF THE SECTOR
- Exemption from customs duties on equipment and raw materials duty-customs duties and tax fees, etc.
- Provision of one-stop shop for all administrative procedures (business creation, obtaining approvals, licenses, building permits, various certificates, etc.) and access to operational and logistical services (banking, insurance, cargo, telecommunication, etc.)

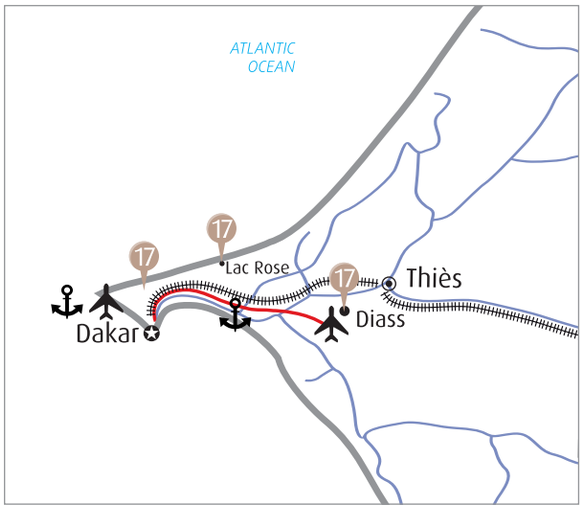
PPP PROJECT

Business Park

>Develop of a 220 ha zone for the establishment of headquarters of major multinationals and companies operating on a regional scale (~50 headquarters and ~3000 residential homes)

LOCATION

- Region de Dakar (Potential sites: Current Léopold Sédar Senghor Airport (partially), Lac Rose, Camp Leclerc or Diamniadio)



STUDIES

- Pre-feasibility: carried out
- Feasibility: to be carried out

ESTIMATED COST

- 540 million US$

ACTORS

- Ministry of Investment Promotion and Partnerships

CHARACTERISTICS

Construction:

- Luxury offices
- Residential areas
- Public facilities
- Shopping centres
- Local businesses, restaurants
- Primary, Secondary schools, etc.
- Social, administrative and financial services

SPECIFIC OBJECTIVES

- Have a ripple effect on the national economy
- Increase by 25% the number of well-off/expatriate homes
- Increase by 50% the number of regional offices of international organizations established in Dakar
- Triple the number of regional headquarters of multinational companies established in Dakar

OVERVIEW OF THE SECTOR

- Attractive local market
- Allocation of land
- Strong development of the banking sector and services
- Among the Top 20 in Africa, in terms of number of multinationals and established organizations
- 80 embassies and consulates located in Senegal

PPP PROJECT

SENEGAL EMERGENT

SOCIAL HOUSING

Social housing provision

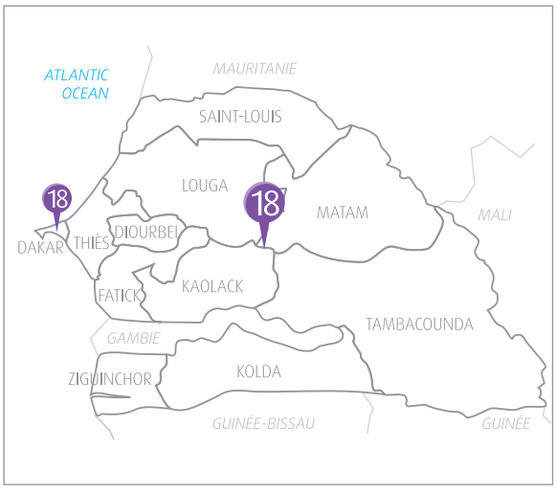
> Build and develop social housing

LOCATION
- Mainly in the Dakar region and in the five new urban centers with a particular focus in the triangle Diass Diamniadio-Pout

STUDIES
- Feasibility: to be carried out

ESTIMATED COST
- 440 million US$ by urban center

ACTORS
- Ministry of Urban Development and Housing



CHARACTERISTICS

- Ten-year construction of 10 000 social housing units / year
- Servicing works of the land base
- Roads and sanitation works
- Provision of social and community facilities
- Provision of landscaping

SPECIFIC OBJECTIVES
- Improve access to housing
- Lowering rent
- Improving quality of life and street furniture equipment
- Implement the state program called «One Family, One Roof»
- Significantly improve the living conditions of populations

OVERVIEW OF THE SECTOR
- Increasing demand for housing
- Creation of new urban centre in and around Dakar
- Shortfall in housing estimated at 125,000 housing units
- Free allocation of land with primary network (water and electricity)
- Provision of a portfolio of clients by the state (civil servants) and the housing cooperatives
- Linkages with partner banks

PPP PROJECT