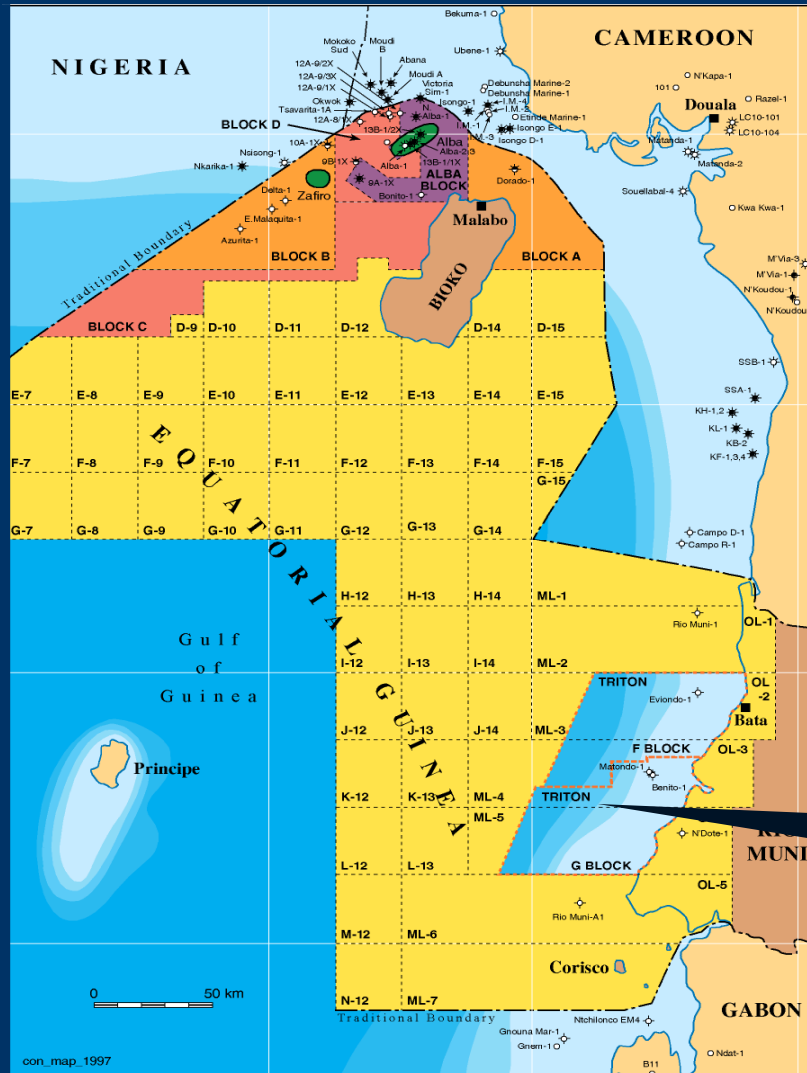




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# **OIL AND GAS DEVELOPMENT IN EQUATORIAL GUINEA**

**H.E ATANASIO ELA NTUGU NSA  
MINISTER OF MINES, INDUSTRY AND ENERGY  
REPUBLIC OF EQUATORIAL GUINEA**



**ALBA PRODUCTION NOW WITH CMS**

**BLOCKS A-B-C-D LICENSED TO UNITED MERIDIAN CORP.**

**MOBIL FARM-IN TO BLOCK B**

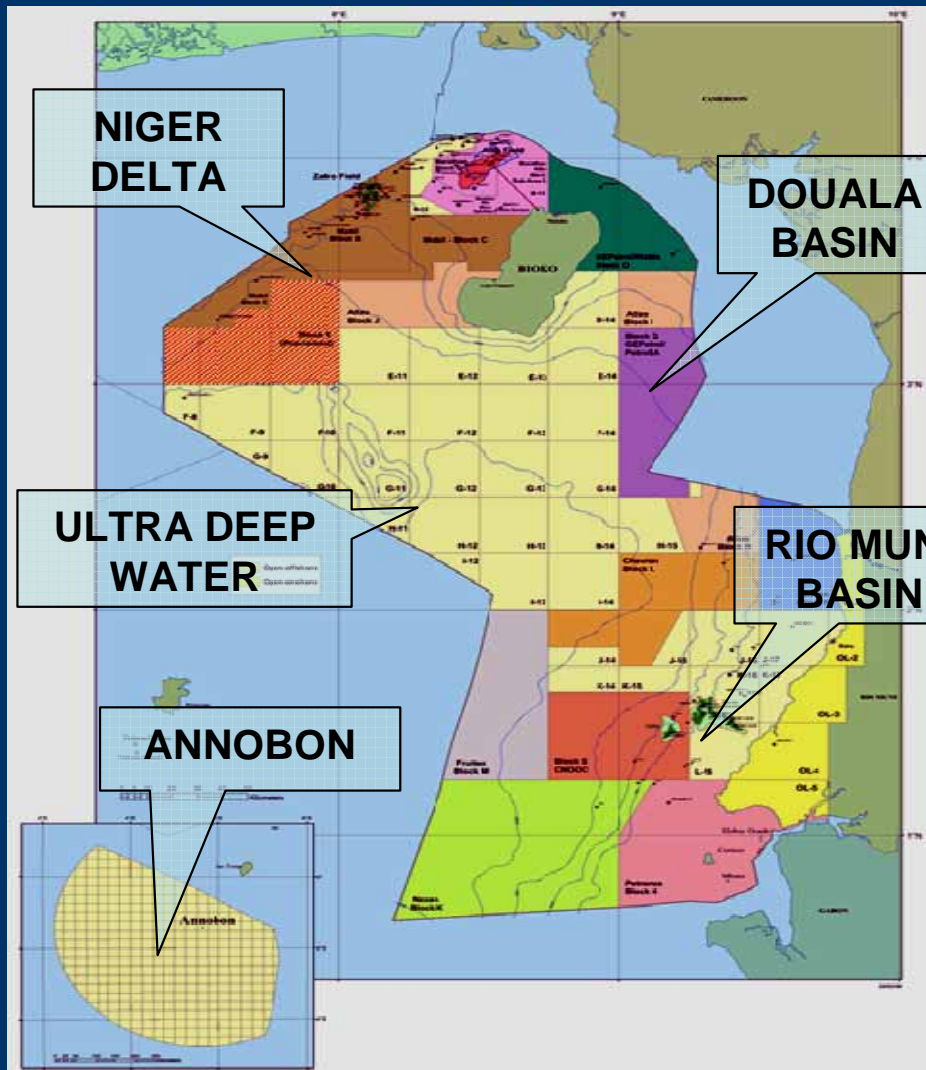
**ZAFIRO DISCOVERY, FAST-TRACK DEVELOPMENT**

In 1997, Triton licensed Blocks F&G in the Rio Muni Basin, which was then totally unlicensed.

**LICENCE SITUATION 1997**



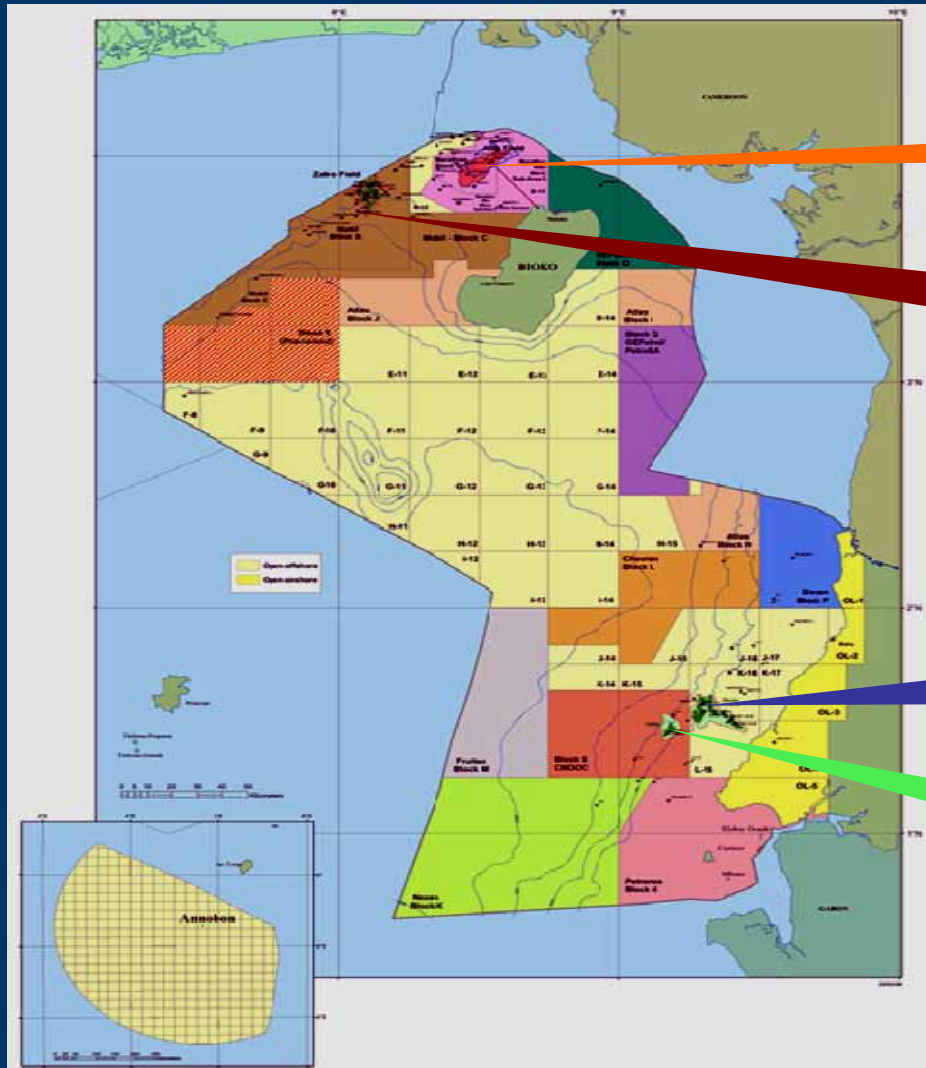
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**14 UPSTREAM OPERATORS**  
**21 COMPANIES**



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**ALBA FIELD**

Up to 900 mmcf  
83,000 bpd

**ZAFIRO FIELD**

226,000 bopd  
220 mmcf

**OKUME COMPLEX DEVELOPMENT**

35,000 bopd

**CEIBA FIELD**

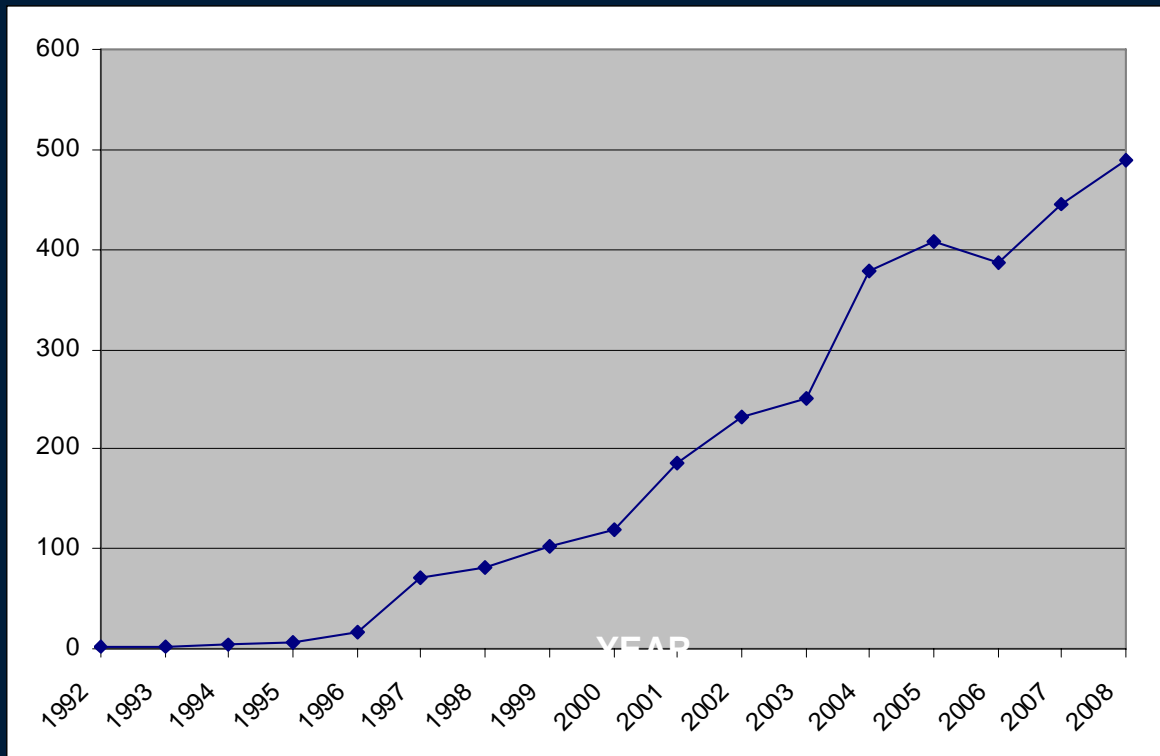
42,000 bopd  
20mmcf

**PRODUCTION SITUATION 2007**



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PRODUCTION

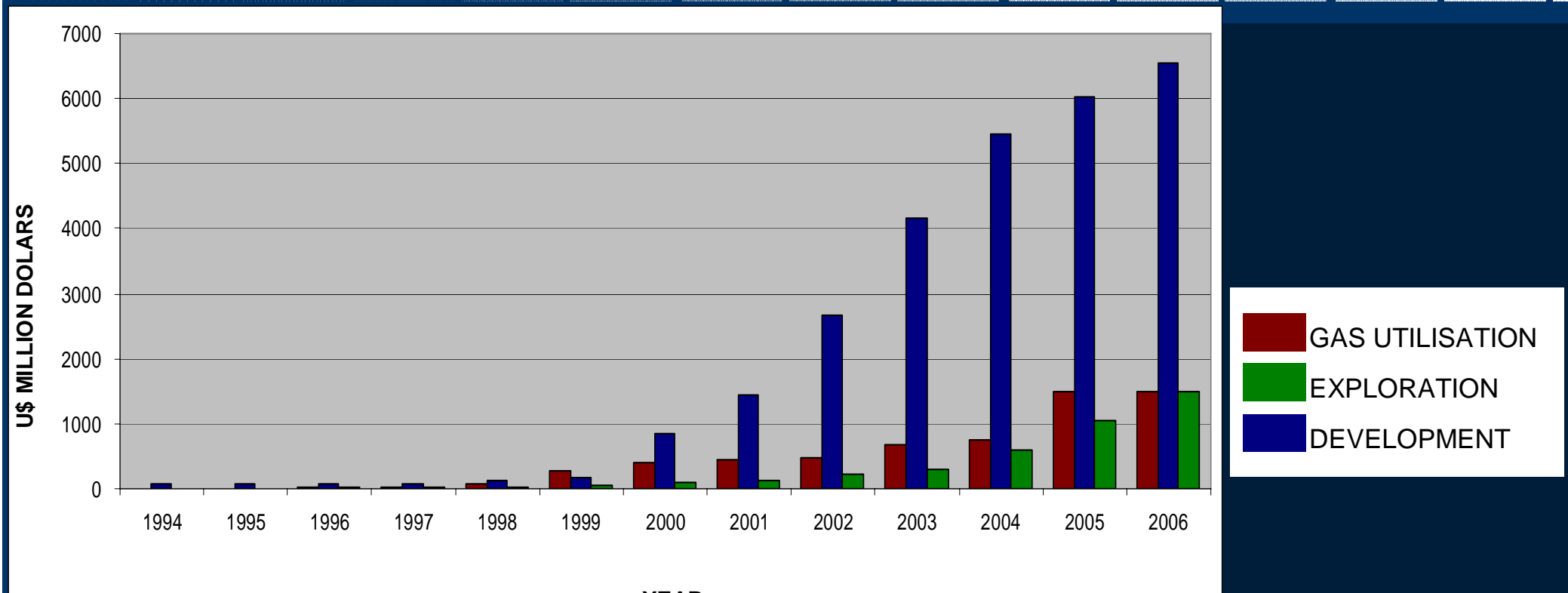


**ANNUAL OIL GROWTH**





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**PETROLEUM SECTOR INVESTMENT NOW IN EXCESS  
OF US\$ 9 BILLION**

# EQUATORIAL GUINEA INVESTMENT BY CATEGORY



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**Okume/Ebano  
Mini-TLP**

**Oveng  
Mini-TLP**

**Satellite 1**

**Satellite 2**

**Central  
processing  
facility**

**Elon**

**Satellite 3**

**Sendje Ceiba  
FPSO**

**OPERATOR: AHC**

**43 WELLS**

**3 SATELLITE  
PLATFORMS**

**1 CENTRAL  
PROCESSING  
FACILITY**

**2 TLP'S**

**OKUME COMPLEX DEVELOPMENT**



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ELON CPF

**FIRST PRODUCTION: JANUARY  
2007**

**RESERVES: 200 MMBO**

**TOTAL INVESTMENT: 1.4 BILLION US\$**



ELON CPF



OVENG TLP

**OKUME COMPLEX DEVELOPMENT**

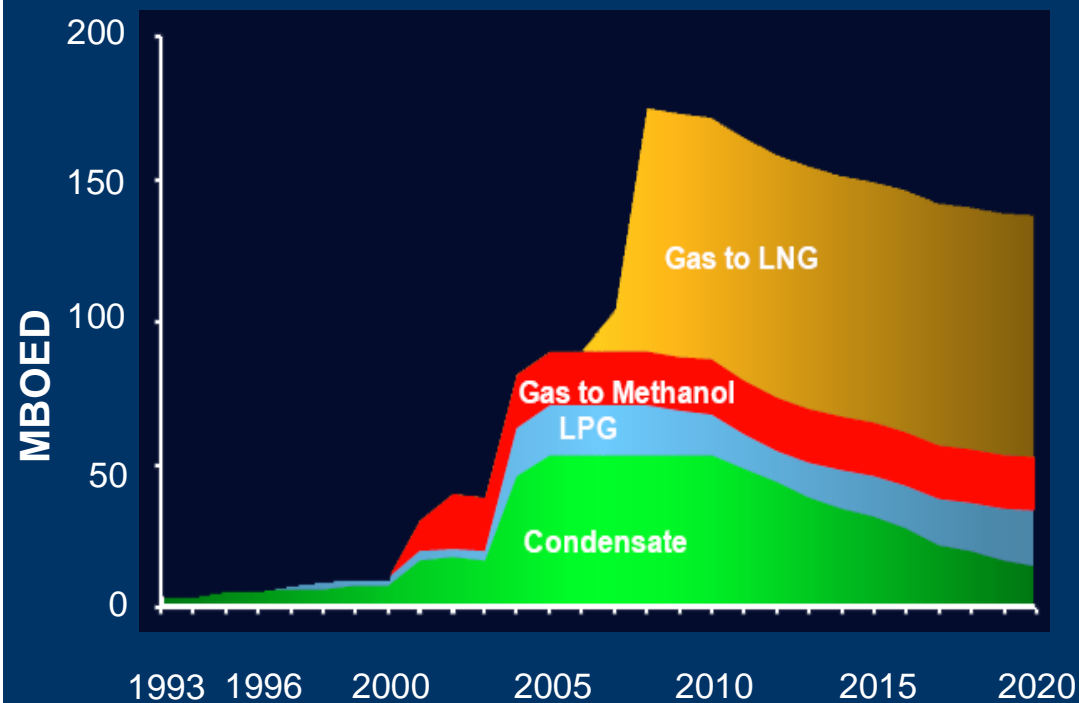




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## ALBA - MORE THAN GAS

LONG LIFE, HIGH VALUE LEGACY ASSET



**1992:** FIRST PRODUCTION 2,000 BCPD WITH ALL GAS FLARED

**2001:** METHANOL PLANT COMMISSIONED 19,000 BOE METHANOL

**2002 – 2005:** PHASE 2A DEVELOPMENT PLAN - CONDENSATE RECOVERY EXPANSION AND GAS RE-INJECTION

**2004:** CREATION OF EQUATORIAL LIQUIFIED NATURAL GAS COMPANY (EGLNG)

**2005:** PHASE 2B DEVELOPMENT PLAN LPG PLANT EXPANSION PROJECT – ROUTINE GAS FLARING CEASES

**2007:** LNG TRAIN 1 COMMENCES PRODUCTION

# ALBA FIELD DEVELOPMENT HISTORY



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Bioko | Guinea Ecuatorial



**OPPORTUNITIES FOR FLARING REDUCTION IN THE GULF OF GUINEA**



[www.equatorialoil.com](http://www.equatorialoil.com)

## OPPORTUNITIES FOR FLARING REDUCTION IN THE GULF OF GUINEA

### VALUE PROPOSITION:

- Monetize otherwise flared or injected gas
- Capture Area: 100 – 160 km around Punta Europa
- Start up: Third quarter 2007
- Additional value - Monetize Stranded Gas
- Requirements:
- Regional Governments agreements on:
- Cross Border Exports
- Appropriate legal and fiscal regulatory framework

**GOVERNMENT  
POLICY IS TO  
ELIMINATE  
FLARING  
WITHIN THE  
NEXT THREE  
YEARS**





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# EG LNG PROJECT





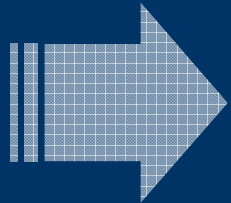
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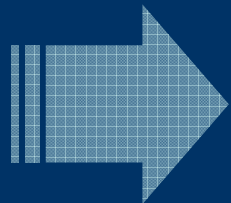
**EG LNG PROJECT**



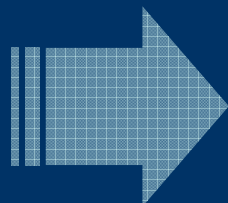
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EG.LNG TRAIN II



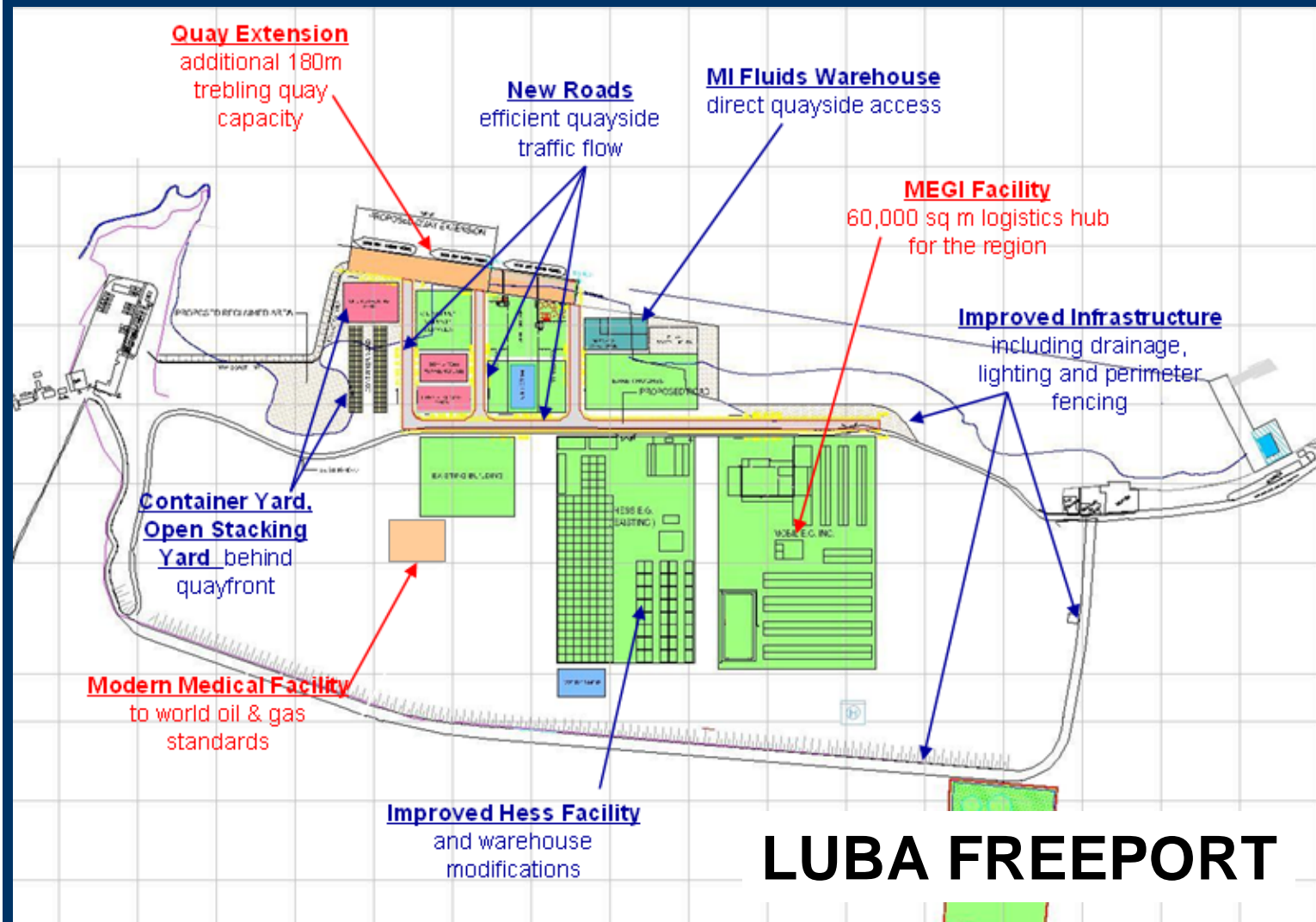
MINERALS SECTOR



ENERGY SECTOR

**INVESTMENT OPPORTUNITIES**





# STATE INVESTMENT IN INFRASTRUCTURE



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**LUBA FREEPORT**



# STATE INVESTMENT IN INFRASTRUCTURE

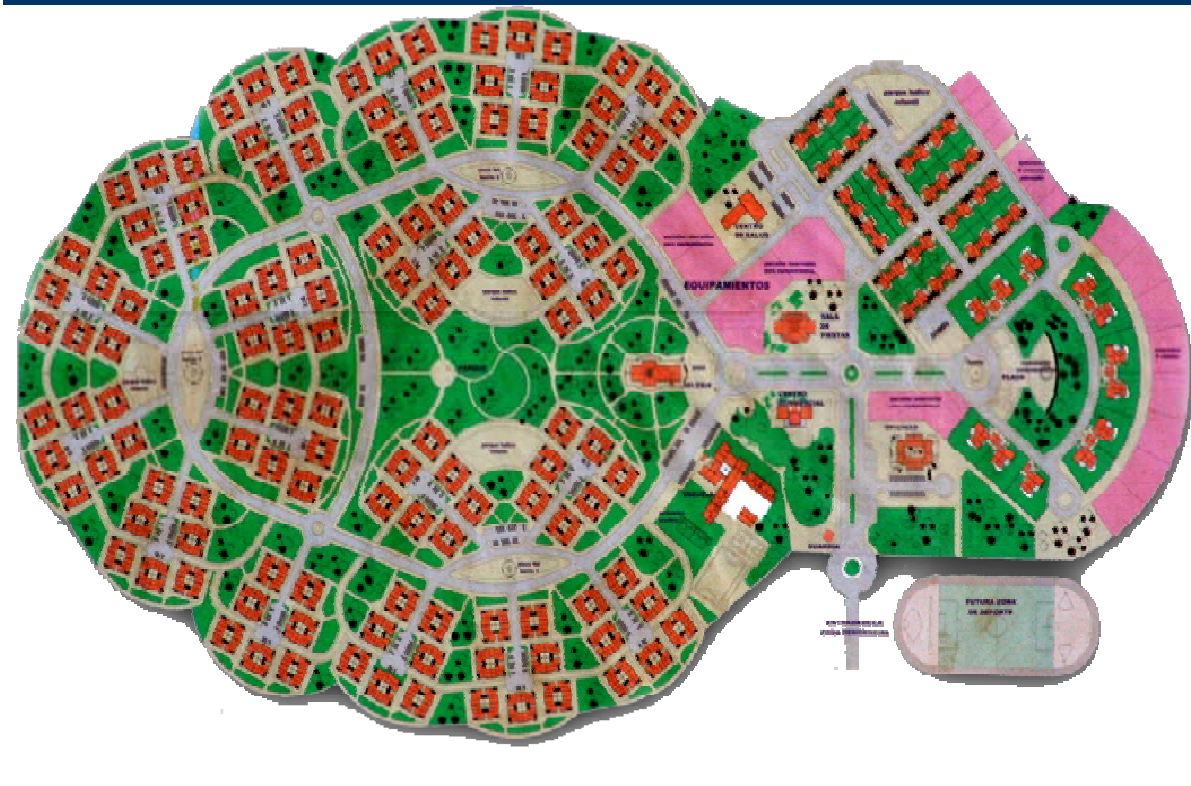




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## MALABO II CONSTRUCTION

## RESIDENTIAL AREA CONSTRUCTION



28 MONTH PROJECT  
MORE THAN 550 UNITS  
SOCIAL HOUSING

**STATE INVESTMENT IN INFRASTRUCTURE**



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## MALABO II CONSTRUCTION



ADMINISTRATIVE BUILDINGS

**STATE INVESTMENT IN INFRASTRUCTURE**





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## MALABO II CONSTRUCTION



**NEW GEPETROL BUILDING**

**ADMINISTRATIVE BUILDINGS**

**STATE INVESTMENT IN INFRASTRUCTURE**



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## MALABO II CONSTRUCTION



HOTELS AND RESIDENTIAL BUILDINGS

NEW AIRPORT ROAD CONSTRUCTION  
IN MALABO II

**STATE INVESTMENT IN INFRAESTRUCTURE**





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## MALABO II CONSTRUCTION

## NETWORK AND TELECOMMUNICATIONS



MULTI-SPORT STADIUM



**STATE INVESTMENT IN INFRAESTRUCTURE**



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## MALARIA CONTROL PROGRAMS



## SOCIAL PROGRAMS



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## Government Action:

Social Sector Reforms  
Health Sector Investment  
Education and Training

**GOVERNMENT ACTIONS**



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SEPTEMBER 2004 FIRST FORUM ON NATIONAL CONTENT IN THE  
PETROLEUM INDUSTRY OF EQUATORIAL GUINEA

RECOMMENDATIONS

TRANSFER OF TECHNOLOGY TO STATE COMPANIES  
GEPETROL AND SONAGAS

FORMATION OF NATIONAL INSTITUTE OF TECHNOLOGY

**BUILDING LOCAL CONTENT**





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## SEPTEMBER 2004: DECREE LAW 116\2004



**CREATION OF THE NATIONAL INSTITUTE OF TECHNOLOGY**



[www.equatorialoil.com](http://www.equatorialoil.com)



## JOINT VENTURES

TECHNIQUES INTERNATIONAL  
EQUIPMENT & CONTROL  
LUBA FREE PORT  
SEABULK  
GESEIS  
LOTEG

**GEPETROL AND LOCAL CONTENT**



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## JOINT VENTURE

- **SONATEC**
- **WORLEY PARSON** ..... **MOU**
- **AFREN** ..... **MOU**
- **WILLIS** ..... **MOU**
- **SNH** ..... **MOU**
- **NNPC/MMIE** ..... **MOU**

**SONAGAS AND LOCAL CONTENT**





**THANK YOU FOR YOUR ATTENTION**