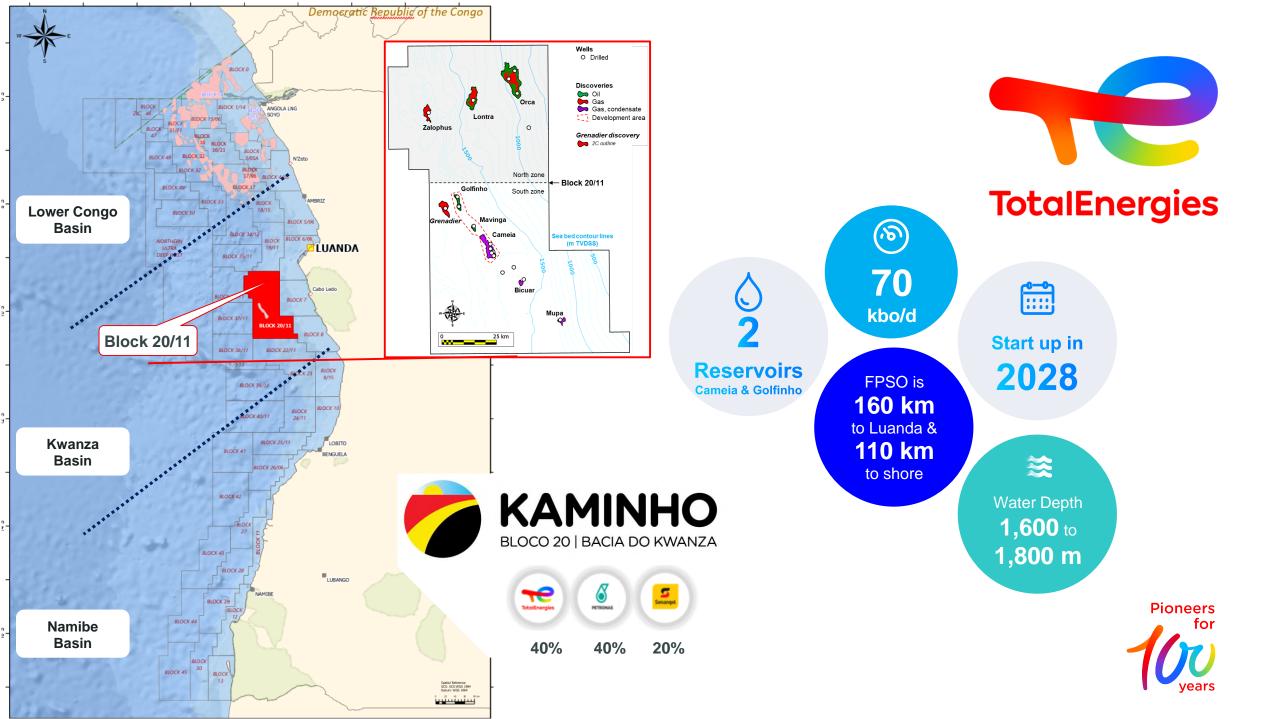




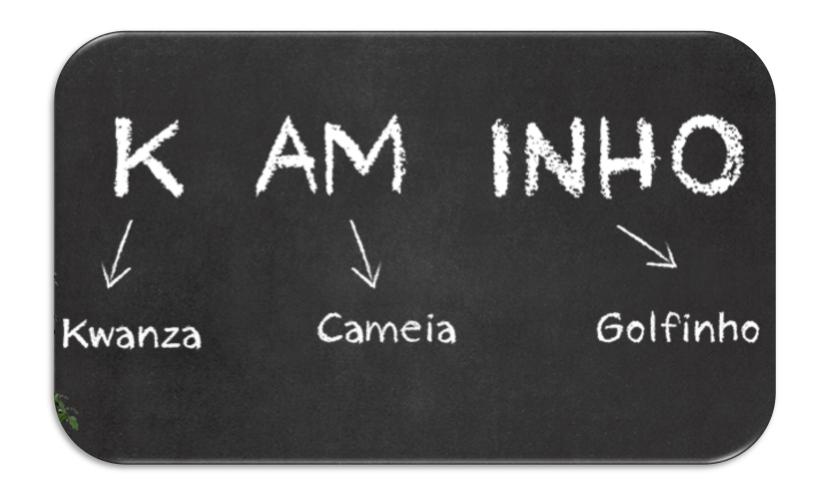
A PIONEER DEVELOPMENT IN THE KWANZA BASIN





Origin of the Name







Kaminho Timeline



2011

Kwanza Basin Exploration & Appraisal

18 Wells7 Discoveries

2020

TotalEnergies
Farm-in

Operatorship
Fast-track
development
launched for Cameia
& Golfinho

20212023

Making it viable

Value Engineering Petronas Farm-in Block merge and PSC negotiations 2024

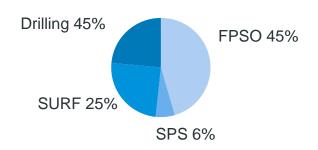
FID

May the 20th, 2024

6 billion USD project
Main EPCC
Contracts signed
SNL Joint
Operatorship



\$Packages split

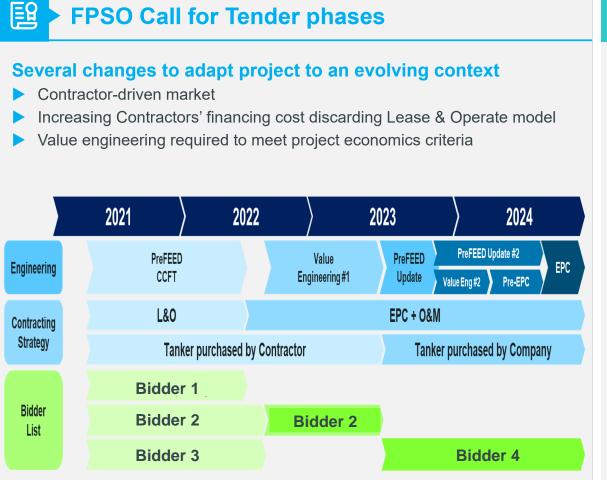




Kaminho's journey in a challenging environment



Pionniers depuis





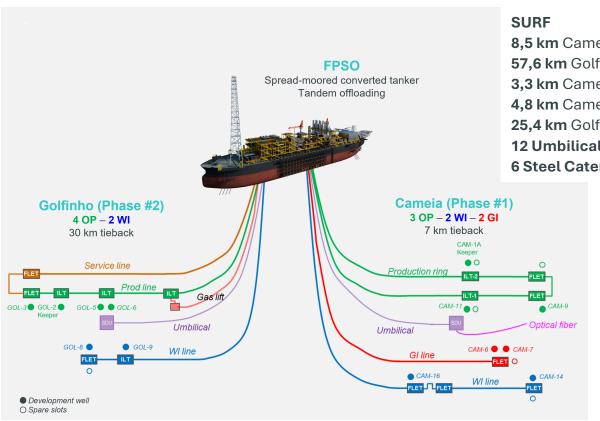
Kaminho Development Scheme

A revolutionary design towards more sustainable and efficient operations



FPSO

Full Electric FPSO All gas reinjected **Zero routine flaring (**closed flare) No venting by design Central power generation Waste heat recovery unit Variable speed drive compressors 70 kbopd of production capacity 315 MMSCFD of gas treatment capacity 55 kwbpd of water injection capacity 2 million barrels storage capacity Mooring Depth: 1,600 m



8,5 km Cameia production line

57,6 km Golfinho hybrid loop with insulated rigid pipe

3,3 km Cameia gas injection flowlines

4,8 km Cameia water injection flowlines

25,4 km Golfinho water injection flowlines and riser

12 Umbilicals (2 main and 10 static)

6 Steel Catenary Risers

SPS

13 wells and associated Christmas trees SPS master control station Intelligent completion for producer wells

Geosciences

A development of pre-salt fractured carbonate reservoirs, a first in the Angolan deep-offshore Reservoirs depth at more than 4,000 meters below sea level Pressure maintenance by water and gas reinjection



Surface facilities





Key metrics

Capacity (@ 95% availability)	Oil: 70 kbopd Gas compression: 315 mmscf/d @ 435 bar Water injection: 55 kbwpd
Oil Scheme	4 stage separation + decanting tank in the hull
Compression (All electric)	HP2/HP3: 3 x 50 % VSD HP1: 2 x 70 % VSD LP/MP: 2 x 50 % VSD
Power Generation	69 MW Power Demand Open Cycle – 2+1 Gas turbines
Topsides Weight	ca. 30 ktons



Carbon Footprint Reduction

Energy efficiency

- All electrical FPSO, centralized power generation with WHRU
- Variable Speed Drive (VSD) for compressors

Flaring

- Closed Flare
- Native CO₂ extracted from Fuel Gas and reinjected
- N+1 sparing for HP2/HP3 (+ partial sparing for HP1)

Tanker for conversion



- Owned by Euronav
- Built in July 2012 (SHI Korea)
- Inspected and endorsed by Company and FPSO Contractor

Saipem awarded both EPC and O&M Contracts

- Engineering ongoing
- Procurement ongoing
- Conversion and Module fabrication yard secured (CMHI, China)



Pionniers depuis



Subsea facilities





SPS

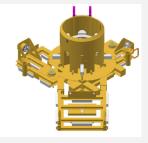
OneSubsea awarded

- Cameia & Golfinho supply
- Engineering ongoing
- HSE audits conducted in main workshops













SURF - Cameia

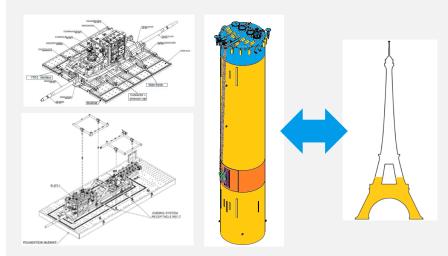
Saipem awarded

- Engineering ongoing
- Procurement ongoing
- Installation vessel (FDS) secured



Subsea structures

- > 3,300 tons of subsea
- ▶ 45% of Eiffel Tower structural steel weight



Flowlines

- Production ring
- Water and gas injection lines
- Dynamic and static umbilicals

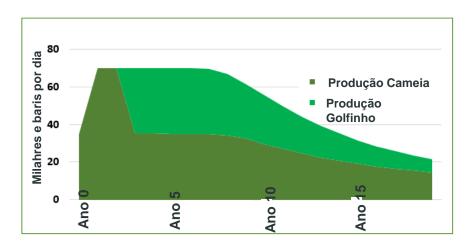


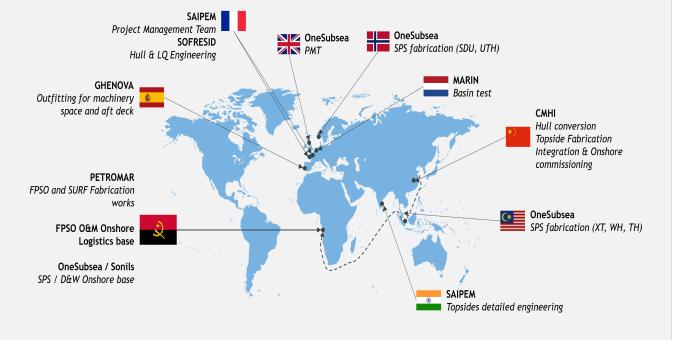
Execution plan

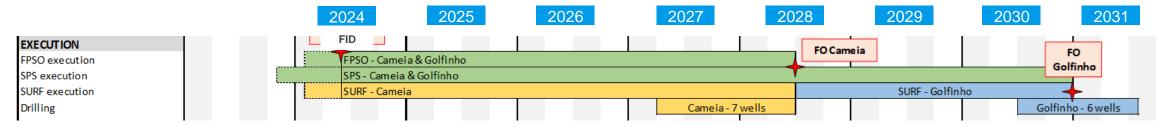
Main workshops & yards locations SAIPEM Project Management Team SOFFESID OneSubsea OneSubsea



Production Profile



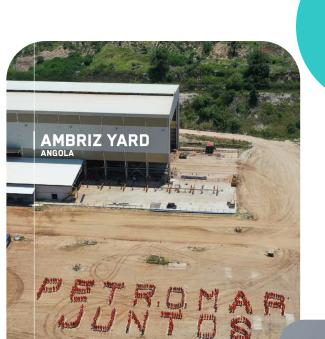






Local content





カビスス 1 Fabrication Yard











30% of project manhours





OBRIGADO! MERCI! THANK YOU!

