

FSO Yamoussoukro (conversion)

Ship type	FSO
Shipowner	Altera Infrastructure Holdings
Shipyard	Drydocks World Dubai



Main Dimensions

Dwt	150,939 t
GT	83,153
Capacity	150,939 DWT
LOA	275.00 m
Beam	48.00 m
Draught	16.421 m

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Project type	Ship status	Design scope	Delivery year
Conversion	Delivered	Basic	2024

Scope of Work for the Shipowner

The main scope of the conversion included a new helideck, additional cranes, an offloading reel, several deck modules and a laboratory. Deltamarin's scope for the owner included FEED and Class approval design, including:

- Review of existing tanker systems
- Update/upgrade of systems to meet FSO requirements
- Update of existing and new layout
- Stability calculations for the FSO
- Structural strength calculations for the FSO
- Structural reinforcements based on strength calculations
- Structural integration of new equipment
- Preliminary MTOs for steel, piping and cable
- Rip-out specifications
- FSO conversion specifications
- Update of Escape and Safety Plans
- Coordination of the 3D model for the main deck
- Technical specifications for new equipment

- Procurement support
- Safety Studies (subcontracted to DNV)

Project Features

- Storage capacity: 172,253 m³, offloading rate: 6625 m³/h
- The vessel will operate at the Baleine field off the Ivory Coast, in deep waters
- The project was a fast-track project, with a delivery time of only 18 months
- The work was completed in 2024

Additional Information

IMO number	9274513
Classification society	DNV
Special features	Conversion of the crude oil tanker 'Nordic Brasilia' into the FSO 'Yamoussoukro'