

Ville de Bordeaux

Ship type	RoRo
Shipowner	Louis Dreyfus Armateurs (LDA)
Shipyard	CSC Jinling Shipyard Co. Ltd. (Nanjing)



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Main Dimensions

Dwt	6,100 t
GT	21,528
Capacity	6100 dwt / 1800 lm
LOA	154.3 m
Beam	24 m
Draught	6.5 m

Project type	Ship status	Design scope	Delivery year
Newbuild	Delivered	Concept, Basic	2004

Scope of Work for the Shipowner

- Concept design, covering main dimensions, capacities, speed and power, general arrangement, machinery arrangement, weight calculations, midship section, hull form, stability calculations, and assistance in yard discussions
- 3D modeling simulations for aircraft loading and unloading, along with specialized seakeeping model tests and scenario simulations for aircraft transport

Scope of Work for the Shipyard

- Complete basic design and site team support, covering general arrangement, hull, outfitting, accommodation, machinery, and electrical systems
- FEM analysis and specialized calculations, such as vibration, maneuvering, and seakeeping calculations
- Coordination of model tests, including hull form and appendage definitions, CFD calculations, and analysis of model test results
- On-site coordination of detailed design and technical support for yard and supplier interactions

Project Features

- Special design for carrying components and sub-assembly structures of the A380 aircraft, including a high upper hold, reinforced main deck for specialized platforms, and provisions for low humidity and other environmental conditions
 - Trailer loading considered with an exceptionally large hoistable deck
 - Seakeeping analysis performed using strip theory calculations with the SHIPMO program
 - 3D steel model developed for hull classification drawings
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Additional Information

IMO number 9270842