

Freedom of the Seas (retrofit)

Ship type	Cruise ship
Shipowner	Royal Caribbean International (RCI)
Shipyard	Aker Yards, Turku



Main Dimensions

Dwt	10,600 t
GT	154,407
Capacity	154,407 GT
LOA	338.77 m
Beam	39.00 m
Draught	8.80 m

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Project type	Ship status	Design scope	Delivery year
Newbuild	Delivered	Detail	2006

Scope of Work for the Shipowner

- Study of appendage optimisation using RANSE code CFD by the Alliance Safety at Sea and Deltamarin
- Design of optimum ducktail-interceptor configuration

Scope of Work for the Shipyard

- Electric and automation basic design for the navigation systems
- Hull, HVAC and interior detail design for specified areas
- Detail design of piping and HVAC for the main theatre, secondary lounge and aft main stair for turnkey contractors

Project Features

- Optimized ducktail-interceptor configuration
- Utilization of CFD RANSE code for appendage optimization
- Freedom of the Seas was the largest passenger ship ever built by gross tonnage from 2006 until the construction of her sister ship, Liberty of the Seas, in 2007

Additional Information

IMO number	9304033
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Classification society

DNV