

# Freedom of the Seas (retrofit)

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



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## Main Dimensions

Dwt	10,600 t
GT	154,407
Capacity	154,407 gt
LOA	338.77 m
Beam	39 m
Draught	8.8 m

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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