

'Mistral' Class Helicopter Carriers for the French Navy

■ G33 + option G34

Briefing

Aco Marine was assigned with assistance and consultancy, manufacturing, delivery and assisting with the installation of the complete system for collection, transfer and treatment of grey and black sewage waters.

Vessel description and assignment

Helicopter mothership. It protects French territorial waters and the EU boarders. The assignment required reliable equipment accomplishing and meeting both the highest demands of the latest norms and requirements for the maximum capacity effectiveness. Overall demands as for the capacity were calculated to.... ACO Marine cooperating with the shipyard engineers proposed a complete system for treating the effluent water.



Proposed systems for transportation and water treatment

- Two off Maripur 250 advanced wastewater treatment units
- Two off special design sludge tanks complete with aeration system
- Dual Grey Water Transfer station
- Collection Tank aeration system
- Lipatomat NS7 automated grease separation system

Capacity (based on project specific details)

Number of equivalent inhabitantsXX
 Total volume of treated waterXX
 Total volume of treated grey waterXX
 Size of water tanks.....XX

Effluent water quality

Effluent values and its comparison with alternative standards

	IMO MEPC.2 (VI)	USCG 33CFR 159 PT1-300	USCG/Alaska 33CFR 159.309	IMO MEPC 159(55)	ACO Maripur® IMO certified values
Coliform bacteria [n/100ml]	200	200	20	100	9
Total suspended solids [mg/l]	100	150	30	35 (70 at sea)	2
BOD5 [mg/l]	50	-	30	25	3
COD [mg/l]	-	-	-	125	45

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