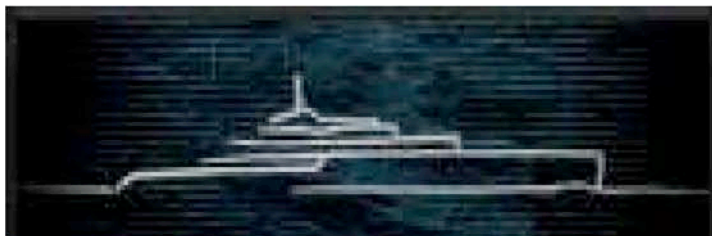


96m Megayacht

Briefing

ACO Marine was assigned with complete engineering, design, manufacturing and delivery of the complete waste water treatment system. The system consists of a black and grey water collection system, transfer system and grease separation system and final treatment system. All systems must be on the highest technical, design and reliability level.



Vessel description and assignment

Exclusive, 96 meter (315 ft) long yacht of the highest possible standard. The name, owner and shipbuilder are not disclosed for obvious reasons. Assignment was very demanding in terms of performance, absolute reliability and footprint size. Total requested capacity was 22 m³ per day with 100% redundancy.

Proposed solution

- Two off ACO Maripur 100 units complete with mounted black water vacuum system
- One Grey water transfer module
- One remote Grey Water vacuum transfer system
- ACO Pipe stainless steel push-fit pipe system

Capacity (based on project specific details)

Nr of Equivalent Inhabitants 63
 Total volume of treated water 23m³
 Total volume of treated grey water 20.3 m³
 Tank sizes -

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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