

**TEKNİK ÖZELLİKLER**

L _{OA}	: 86 M	MAKİNE GÜCÜ	: 4000 KW
L _{BP}	: 84.3 M	MİSAFİR SAYISI	: 2 + 14
B _{OA}	: 12.4 M	MÜRETTEBAT SAYISI	: 1 + 22
T	: 4 M	AÇIK GÜVERTE ALANI	: 1344 M ²
D	: 8.3 M	KAPALI GÜVERTE ALANI	: 1574 M ²
V _{MAX}	: 18 KN	TATLI SU KAPASİTESİ	: 24 T
Δ	: 2338 T	KİRLİ SU KAPASİTESİ	: 24 T
GT	: 2511	YAKIT KAPASİTESİ	: 196 T

YAPISAL ÖZELLİKLER

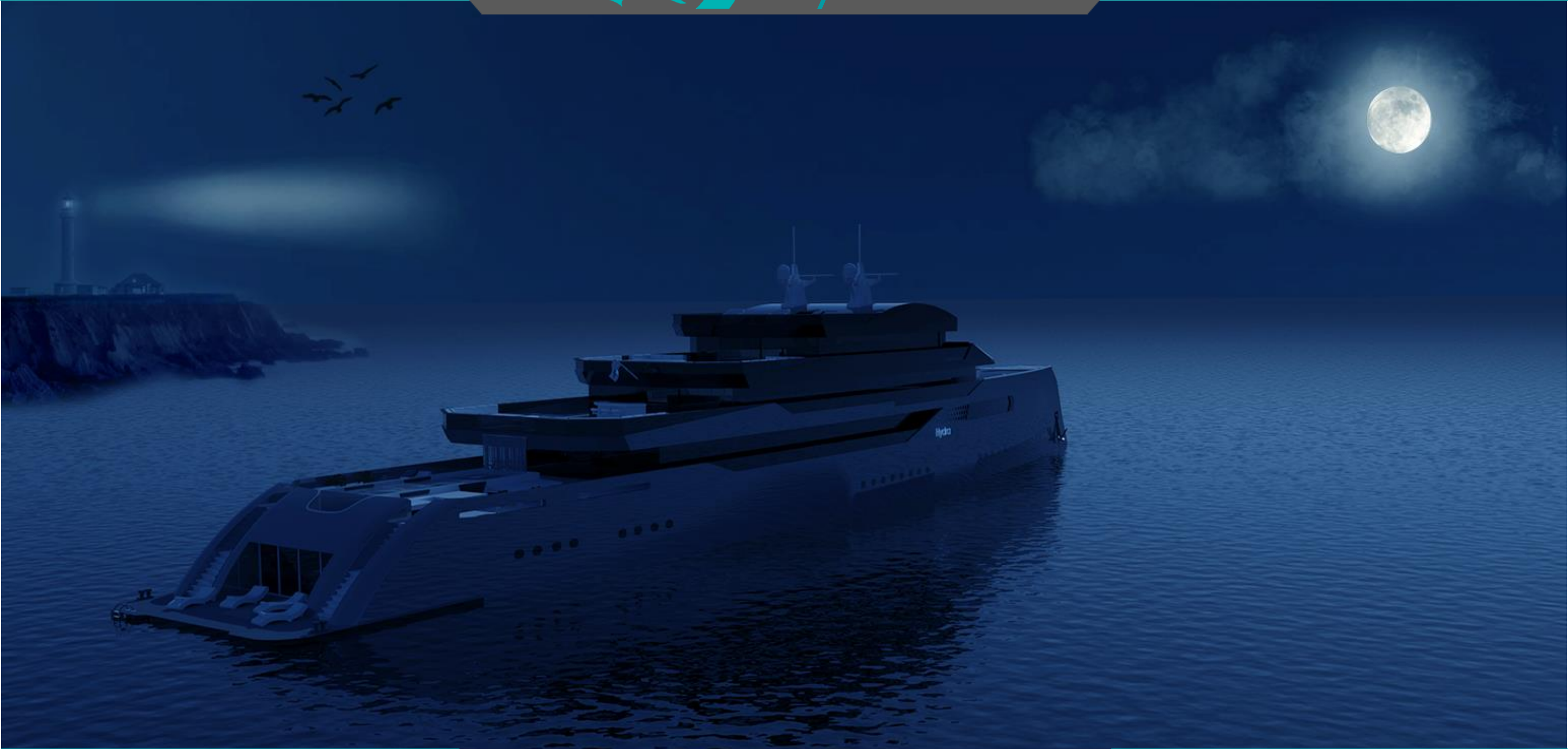
BİR EFSANEDEN İLHAM ALINARAK TASARLANAN, KESKİN HATLARI VE KONFORUYLA MOTOR YAT HYDRA

ÜRETİMDE KULLANILACAK MALZEMELER

GEMİ İNŞA ÇELİĞİ, PASLANMAZ ÇELİK, ALÜMİNYUM, PLASTİK, AHŞAP, CAM

ÜRETİMDE KULLANILACAK TEKNİKLER

KAYNAK, TALAŞLI VE TALAŞSIZ ŞEKİLLENDİRME, MONTAJ, YAPIŞTIRMA

**YOLCU KONAKLAMA**

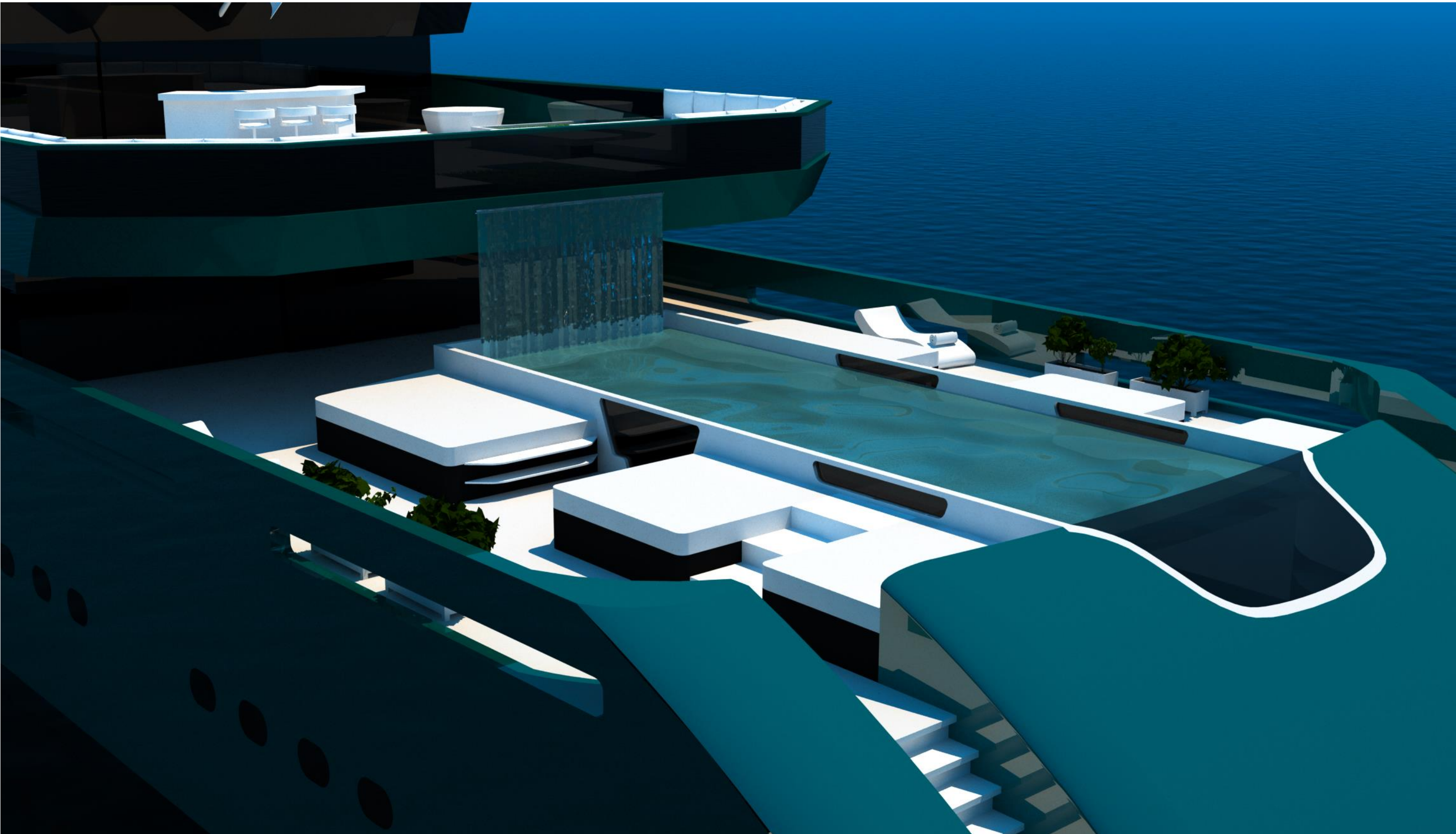
- 1 OWNER KABİN
- 1 OWNER OFİS
- 1 VIP
- 1 VIP SALON
- 5 MİSAFİR KABİNİ (ÇİFT YATAKLI)
- 2 MİSAFİR KABİNİ (İKİZ YATAKLI)
- 2 SALON / YEMEK ODASI
- 1 SPOR SALONU

- 1 BEACH CLUB
- 1 DALIŞ ALANI
- 1 HAVUZ VE GÜNEŞLENME ALANI
- 1 JAKUZİ
- 2 TENDER TEKNE
- 3 JET SKİ
- 1 TOUCH & GO ALANI

MÜRETTEBAT KONAKLAMA

- 1 KAPTAN KABİN
- 1 KAPTAN OFİS
- 1 HOSPITAL
- 4 MÜRETTEBAT KABİNİ (ÇİFT YATAKLI)
- 1 MÜRETTEBAT SALONU
- 1 MÜRETTEBAT DİNLENME ALANI
- 1 MÜRETTEBAT OFİSİ
- 1 MUTFAK VE KİLER
- 1 ÇAMAŞIRHANE
- 1 SOĞUK HAVA DEPOSU

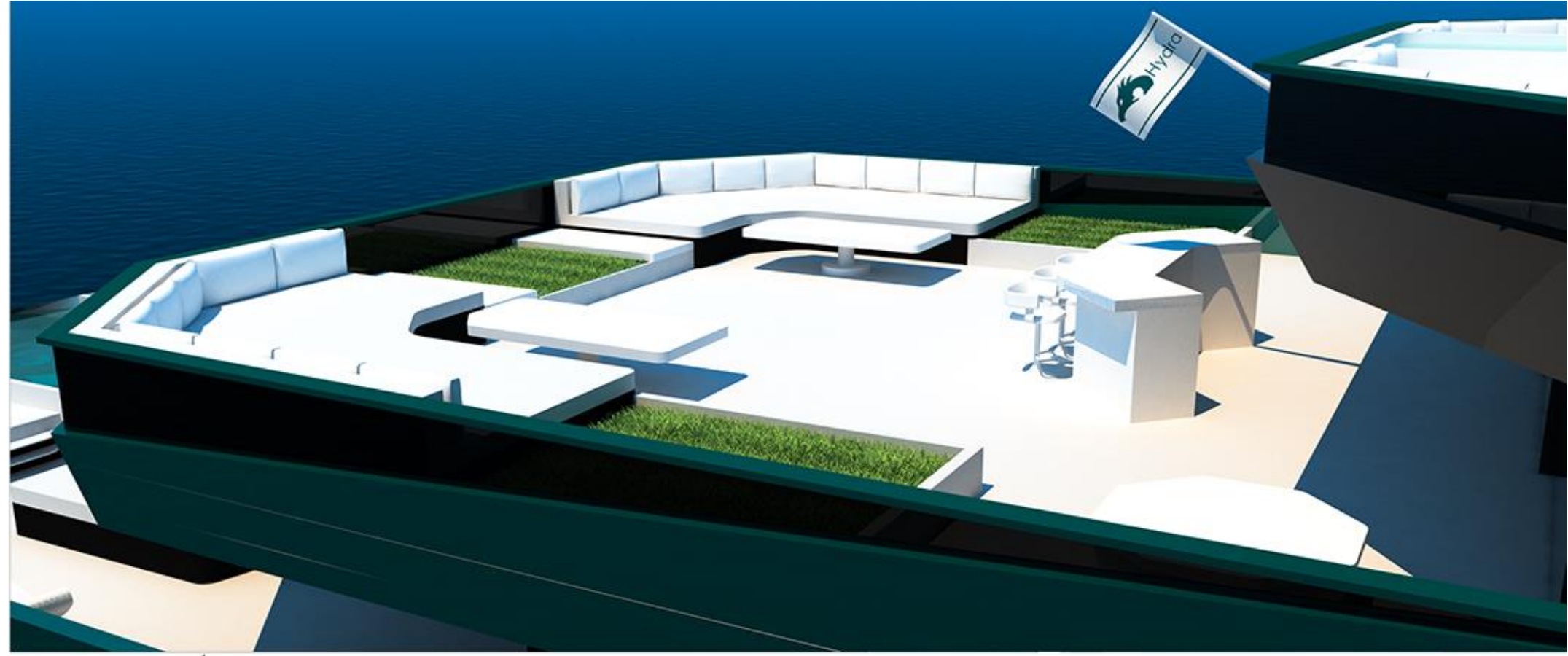




Hydra, şıklık ve sadeliğinin yanında ergonomik tasarımı ile dikkat çekmektedir. 60 m² lik misafir kamaraları, 320 m² lik sahip kamarası ile rahat, ferah bir yaşam alanı sunmaktadır.

Yolcular için ayrılmış 4 açık 1 kapalı güvertesinde;

Havuz, kokteyl alanı, sağlık havuzu, sauna, spor salonu, sohbet alanları ve salonları, jet ski ve tender bölümleri, helikopter pisti gibi birçok alana sahiptir.



FROM MYTH TO REAL



BEACH CLUB



GYM



STEAM ROOM

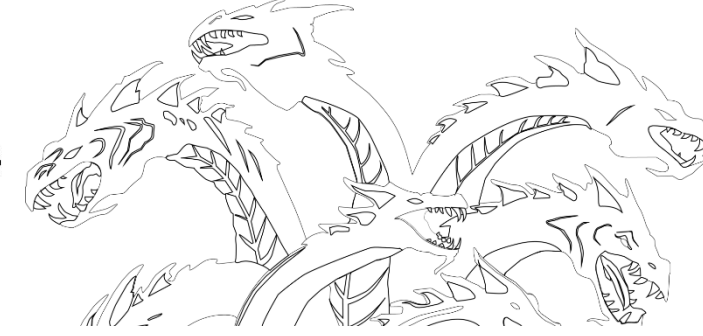
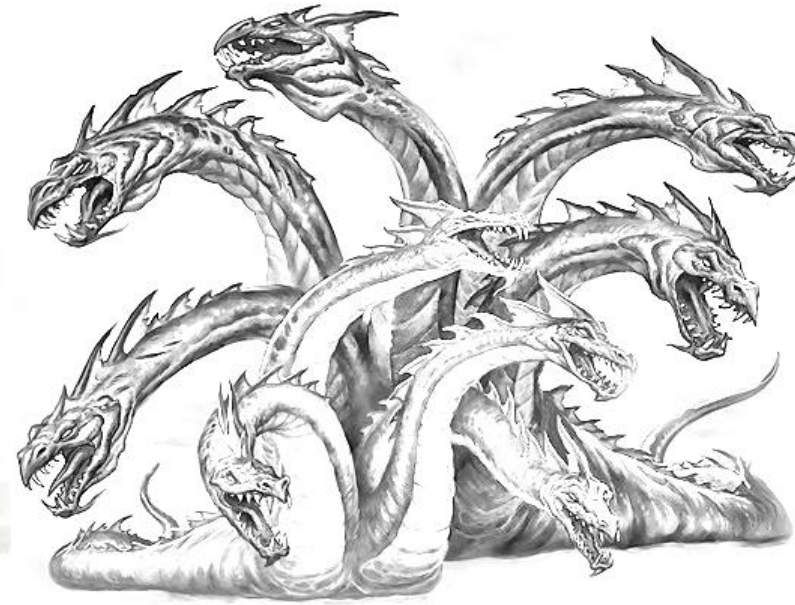


MAIN
SALOON



BATHROOM





HYRDA,
YUNAN MİTOLOJİSİNDE ARGOLİS ANTİK ŞEHRİNDE,
LERNİ BATAKLIĞINDA YAŞAYAN ÇOK BAŞLI EFSANEVİ YARATIKTIR .

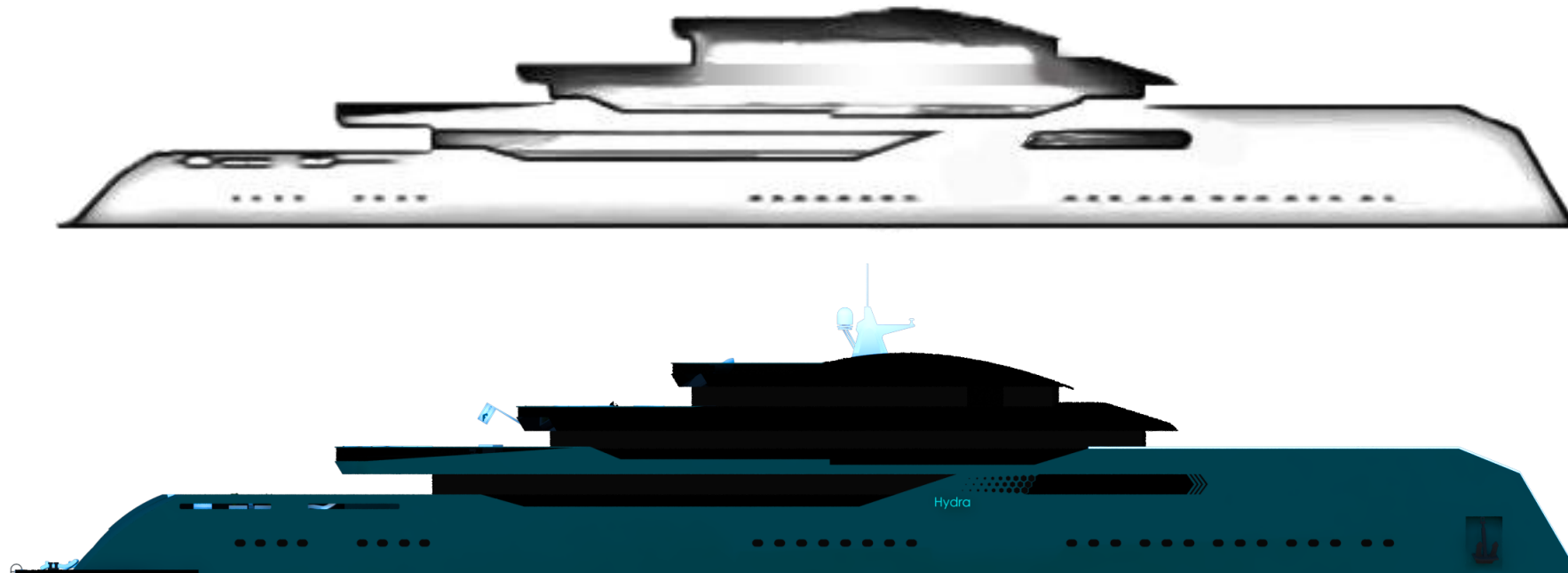


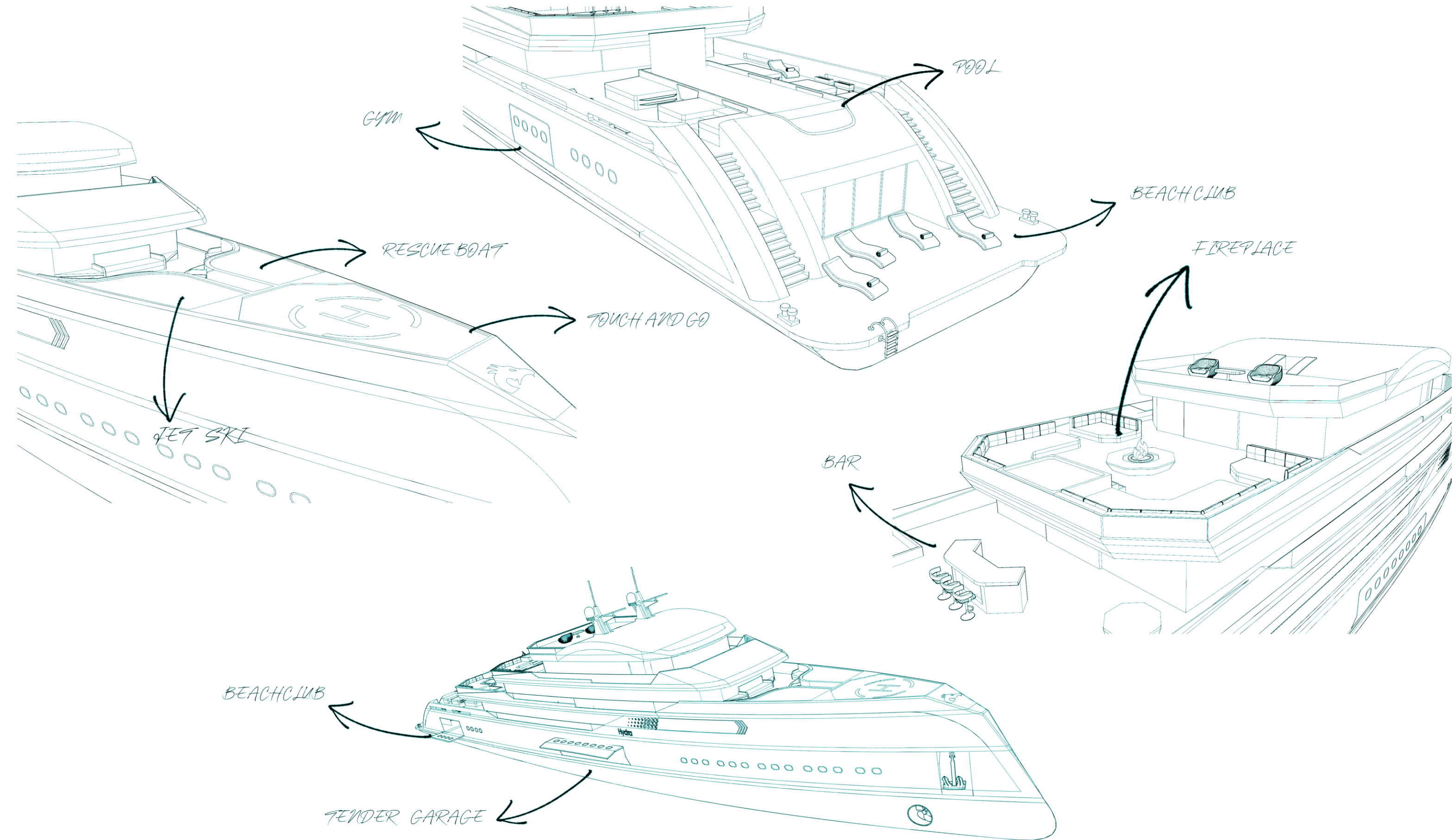
PULLU **MAVİ** DERİSİ, SİRALI HALDEKİ BÜYÜK **BOYNUZLARI**,
YEŞİL GÖZLERİ, **EĞİMLİ** ÇENESİ DİKKAT ÇEKİCİDİR.

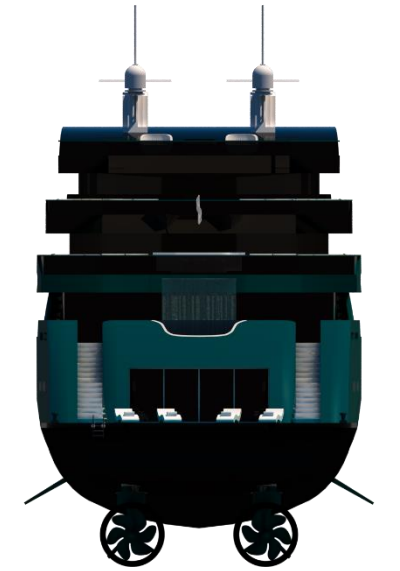
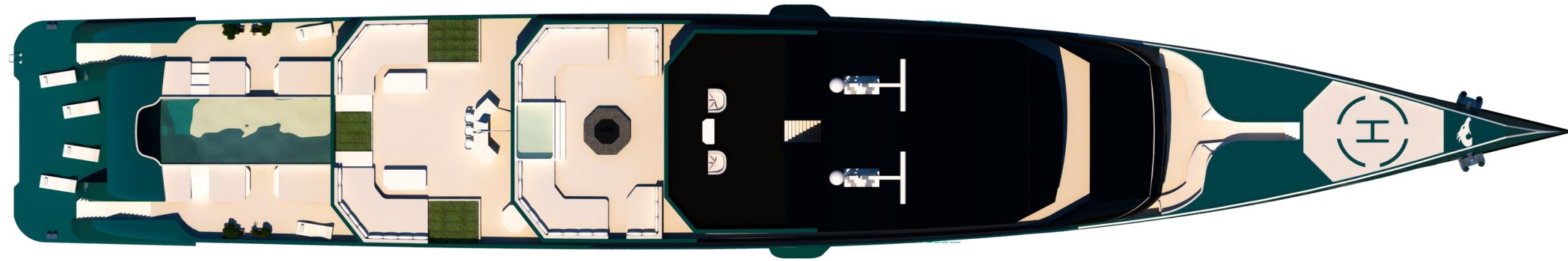
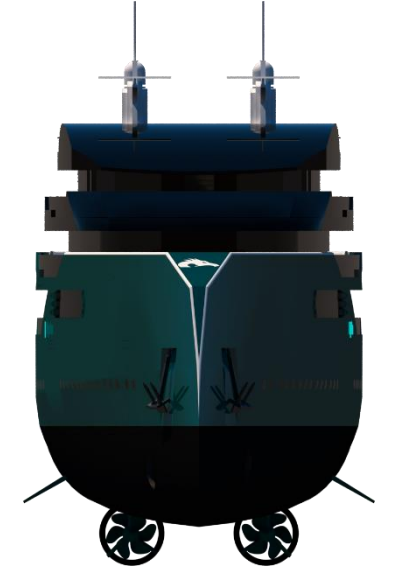
TEMSİLİ RESİMLERDEN ESKİZLER ELDE EDİLMİŞ, BAŞLARIDAN BİR
TANESİ SEÇİLEREK ÇİZİM İÇİN SADELEŞTİRME YAPILMIŞTIR.



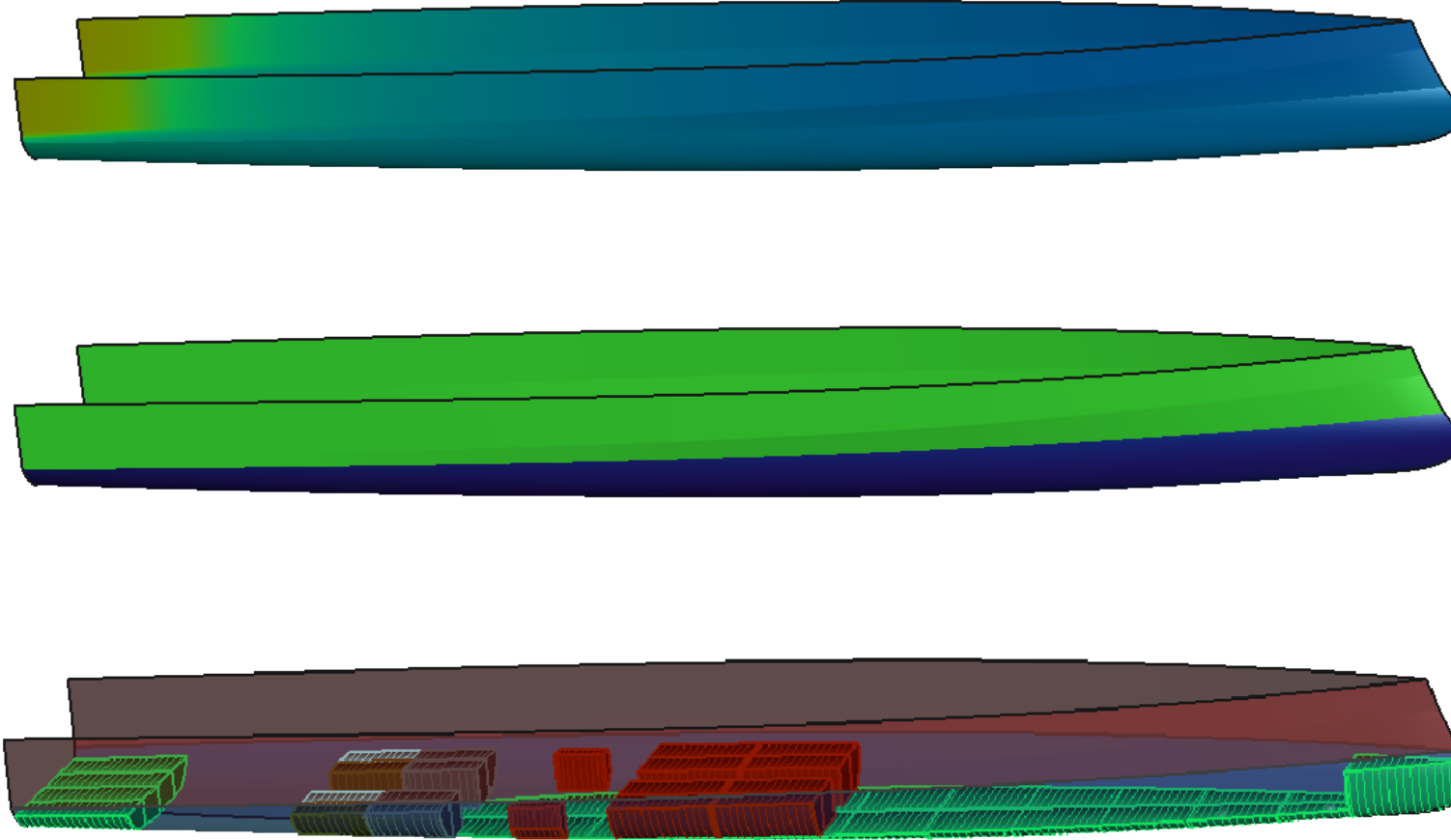
SADELEŞTİRİLMİŞ ÇİZİMDEKİ **HYDRA**'NIN 3 BOYNUZU GİBİ
3 GÜVERTE UZATILMIŞ,
HYDRA'NIN BAŞ FORMU TEKNEYE UYGULANMIŞTIR.



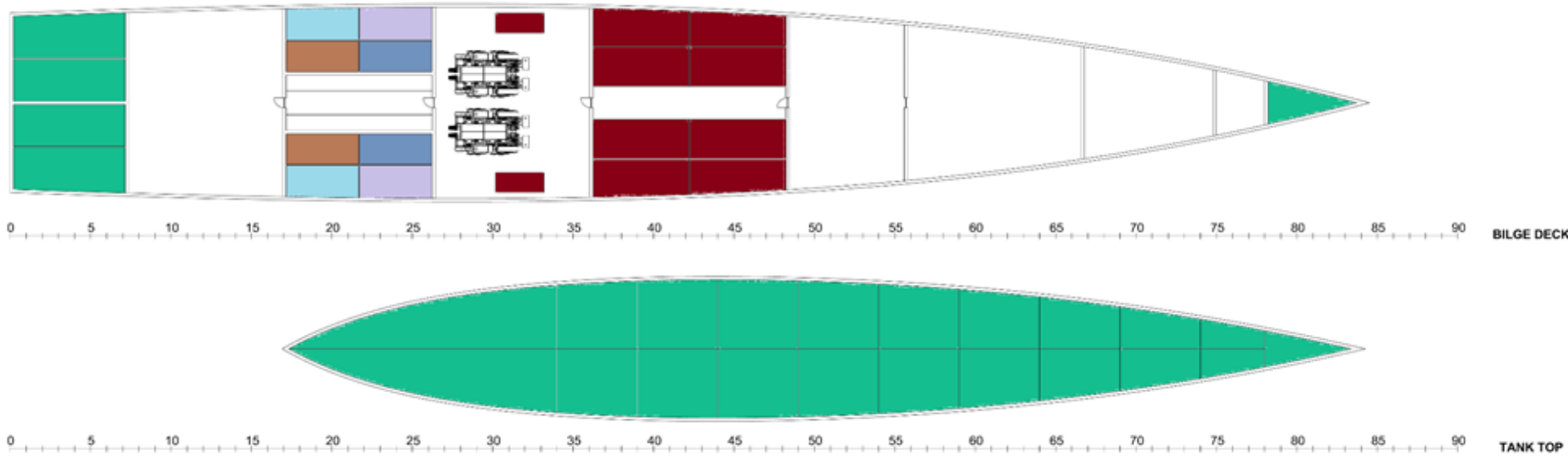




TANK PLANI VE TABLOSU

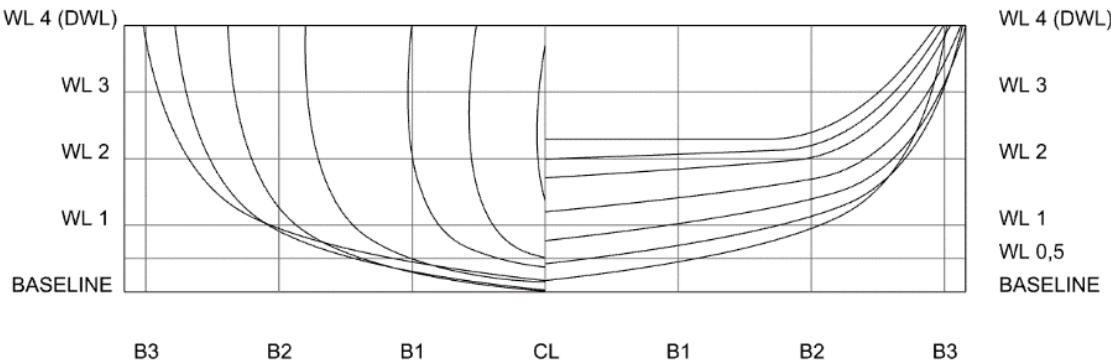


balast fuel fresh water gray water clean lubricant dirty lubricant

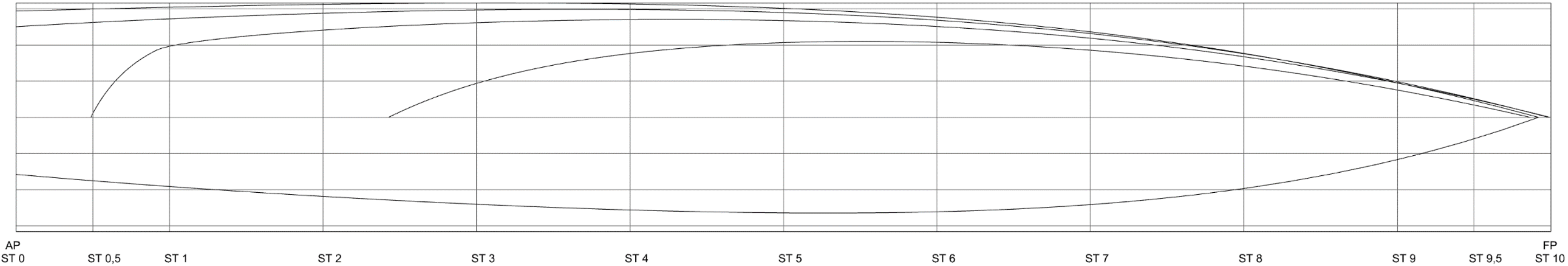
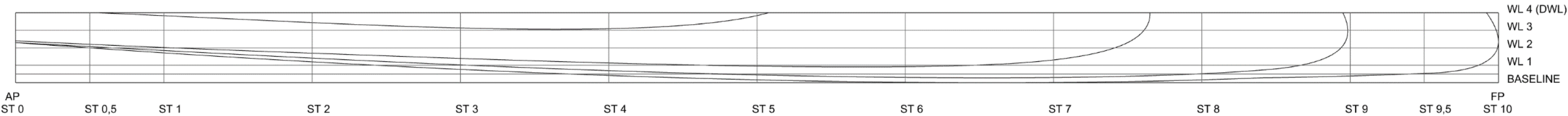


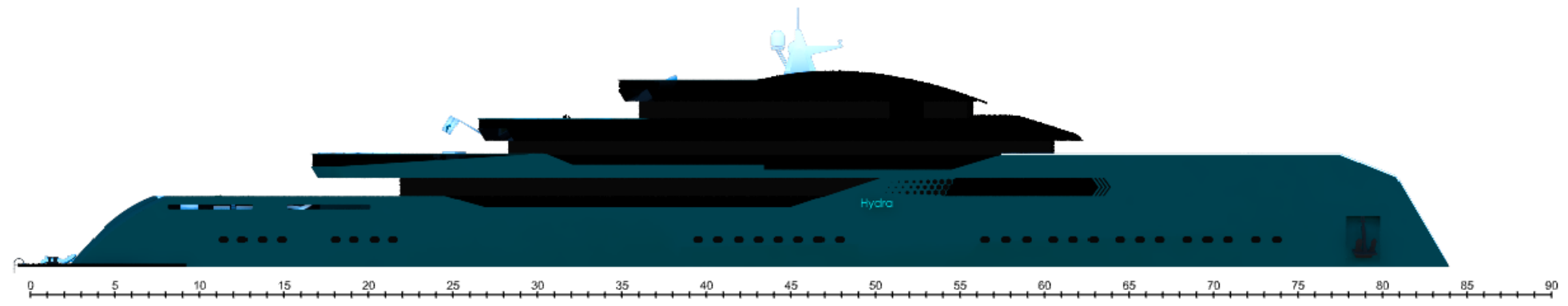
	Name	Tank Type	Liquid Type	Mass tonne	Volume m^3	Long. Arm	Trans. Arm	Vert. Arm m
1	BT_Aft_PS_01	Balast	Sea Water	18,57	18,118	3,704	-3,844	2,85
2	BT_Aft_PS_02	Balast	Sea Water	24,158	23,569	3,683	-1,336	2,738
3	BT_Aft_SB_01	Balast	Sea Water	24,158	23,569	3,683	1,336	2,738
4	BT_Aft_SB_02	Balast	Sea Water	18,57	18,118	3,704	3,844	2,85
5	BT_Fore_01	Balast	Sea Water	27,777	27,099	80,251	0	2,14
6	FWT_PS_01	Water	Fresh Water	11,136	11,136	19,301	-4,711	2,672
7	GWT_PS_01	Water	Gray Water	11,465	12,557	23,789	-4,735	2,6
8	COT_PS_01	Lubricant	Lube Oil	15,502	16,85	19,287	-2,875	2,412
9	DOT_PS_01	Lubricant	Lube Oil	16,627	18,212	23,769	-2,882	2,334
10	FWT_SB_01	Water	Fresh Water	16,85	16,85	19,287	2,875	2,412
11	GWT_SB_01	Water	Gray Water	16,627	18,212	23,769	2,882	2,334
12	COT_SB_01	Lubricant	Clean Oil	10,245	11,136	19,301	4,711	2,672
13	DOT_SB_01	Lubricant	Dirty Oil	11,465	12,557	23,789	4,735	2,6
14	Daily DT_PS_01	Fuel	Diesel	4,678	5,57	31,509	-4,917	2,514
15	Daily DT_SB_01	Fuel	Diesel	4,678	5,57	31,509	4,917	2,514
16	DT_PS_01	Fuel	Diesel	20,886	24,864	38,986	-4,534	2,427
17	DT_PS_02	Fuel	Diesel	26,334	31,35	39	-2,25	2,3
18	DT_PS_03	Fuel	Diesel	19,534	23,255	44,946	-4,459	2,413
19	DT_PS_04	Fuel	Diesel	26,334	31,35	45	-2,25	2,3
20	DT_SB_01	Fuel	Diesel	26,334	31,35	39	2,25	2,3
21	DT_SB_02	Fuel	Diesel	20,886	24,864	38,986	4,534	2,427
22	DT_SB_03	Fuel	Diesel	26,334	31,35	45	2,25	2,3
23	DT_SB_04	Fuel	Diesel	19,534	23,255	44,946	4,459	2,413
24	Bilge Tank	Bilge	Sloop	11,797	12,921	30,773	0	0,84
25	BT_PS_01	Balast	Sea Water	13,334	13,009	29,156	-1,282	0,991
26	BT_SB_01	Balast	Sea Water	13,334	13,009	29,156	1,282	0,991
27	BT_PS_02	Balast	Sea Water	11,043	10,774	36,618	-1,607	0,883
28	BT_SB_02	Balast	Sea Water	11,043	10,774	36,618	1,607	0,883
29	BT_PS_03	Balast	Sea Water	13,844	13,507	41,573	-1,701	0,825
30	BT_SB_03	Balast	Sea Water	13,844	13,507	41,573	1,701	0,825
31	BT_PS_04	Balast	Sea Water	15,82	15,435	46,539	-1,733	0,779
32	BT_SB_04	Balast	Sea Water	15,82	15,435	46,539	1,733	0,779
33	BT_PS_05	Balast	Sea Water	16,738	16,33	51,508	-1,709	0,747
34	BT_SB_05	Balast	Sea Water	16,738	16,33	51,508	1,709	0,747
35	BT_PS_06	Balast	Sea Water	16,425	16,024	56,476	-1,627	0,732
36	BT_SB_06	Balast	Sea Water	16,425	16,024	56,476	1,627	0,732
37	BT_PS_07	Balast	Sea Water	14,806	14,445	61,436	-1,485	0,736
38	BT_SB_07	Balast	Sea Water	14,806	14,445	61,436	1,485	0,736
39	BT_PS_08	Balast	Sea Water	11,974	11,682	66,383	-1,281	0,762
40	BT_SB_08	Balast	Sea Water	11,974	11,682	66,383	1,281	0,762
41	BT_PS_09	Balast	Sea Water	8,337	8,134	71,31	-1,012	0,81
42	BT_SB_09	Balast	Sea Water	8,337	8,134	71,31	1,012	0,81
43	BT_PS_10	Balast	Sea Water	3,975	3,878	75,805	-0,708	0,865
44	BT_SB_10	Balast	Sea Water	3,975	3,878	75,805	0,708	0,865

Hydrostatics			
1	Measurement	Value	Unit
2	Displacement	2337	t
3	Volume (displaced)	2279,98	m^3
4	Draft Amidships	4	m
5	Immersed depth	3,998	m
6	WL Length	84,32	m
7	Beam max extents on WL	12,647	m
8	Wetted Area	1170,3	m^2
9	Max sect. area	36,97	m^2
10	Waterpl. Area	844,978	m^2
11	Prismatic coeff. (Cp)	0,731	
12	Block coeff. (Cb)	0,535	
13	Max Sect. area coeff. (Cm)	0,802	
14	Waterpl. area coeff. (Cwp)	0,792	
15	LCB length	39,549	m
16	LCF length	35,22	m
17	LCB %	46,903	% Lwl
18	LCF %	41,77	% Lwl
19	KB	2,504	m
20	KG fluid	0	m
21	BMt	4,018	m
22	BML	165,526	m
23	GMt corrected	6,523	m
24	GML	168,03	m
25	KMt	6,523	m
26	KML	168,03	m
27	Immersion (TPc)	8,661	tonne/cm
28	MTc	46,57	tonne.m
29	RM at 1deg = GMt.Disp.sin(1)	266,028	tonne.m
30	Length:Beam ratio	6,667	
31	Beam:Draft ratio	3,163	
32	Length:Vol^0.333 ratio	6,407	

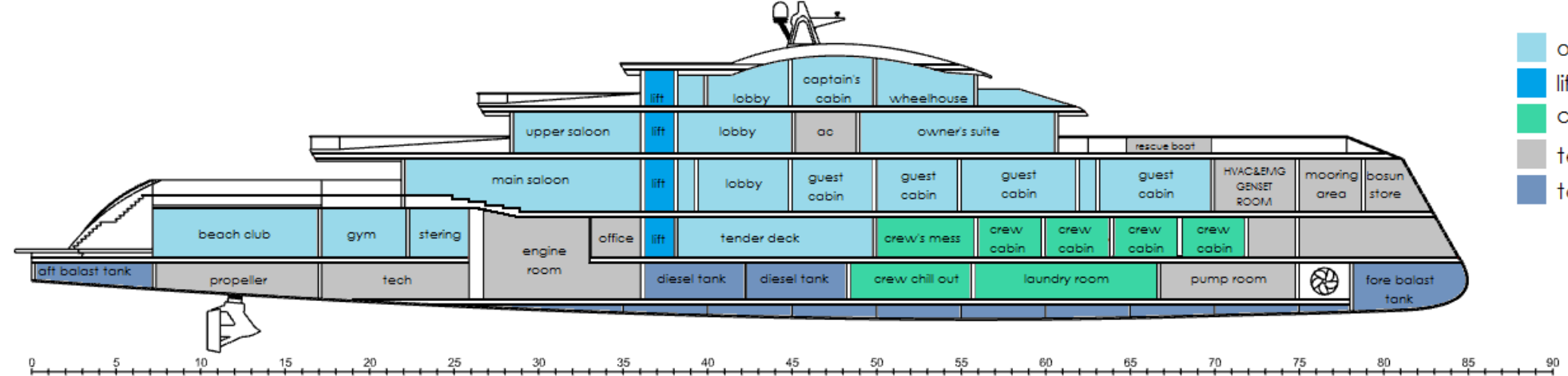


ENDAZE PLANI						
Postalar	WL0	WL0,5	WL1	WL2	WL3	WL4
0	0,000	0,000	0,000	0,108	0,092	0,000
0,5	0,000	0,000	0,779	1,104	1,134	1,032
1	0,000	0,690	1,592	1,990	2,062	1,999
2	0,000	2,011	2,884	3,407	3,575	3,599
3	0,000	2,745	3,736	4,409	4,668	4,767
4	0,000	2,859	4,156	5,040	5,392	5,558
5	0,000	2,265	4,124	5,356	5,805	6,037
6	0,000	0,645	3,507	5,406	5,968	6,272
7	0,000	0,000	1,835	5,228	5,936	6,325
8	0,000	0,000	0,000	3,919	5,445	6,088
9	0,000	0,000	0,000	4,000	5,502	6,130
9,5	0,000	0,000	0,000	0,178	5,247	5,987
10	0,000	0,000	0,000	0,000	5,013	5,877



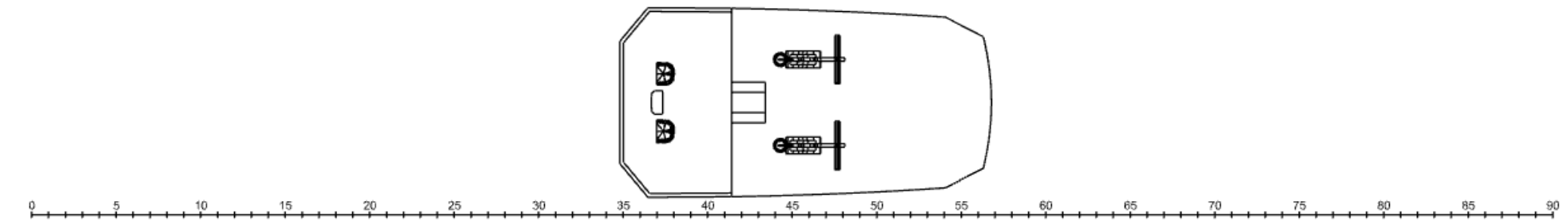


PROFILE

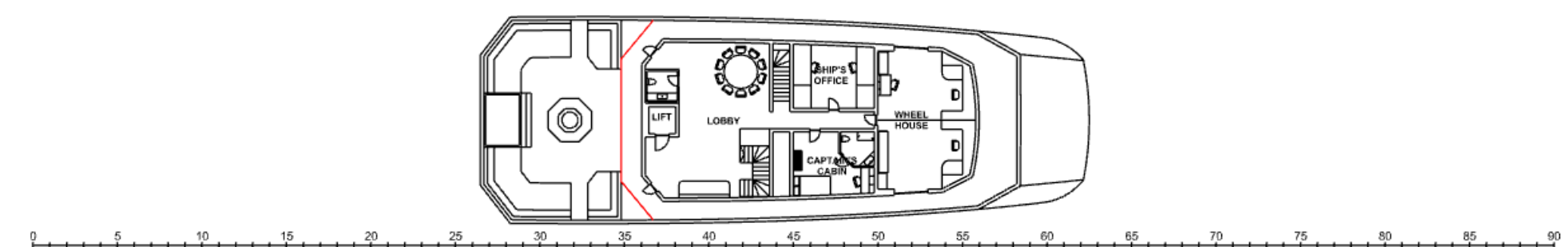


- owner's & guest's area
- lift
- crew's area
- technical area
- tanks

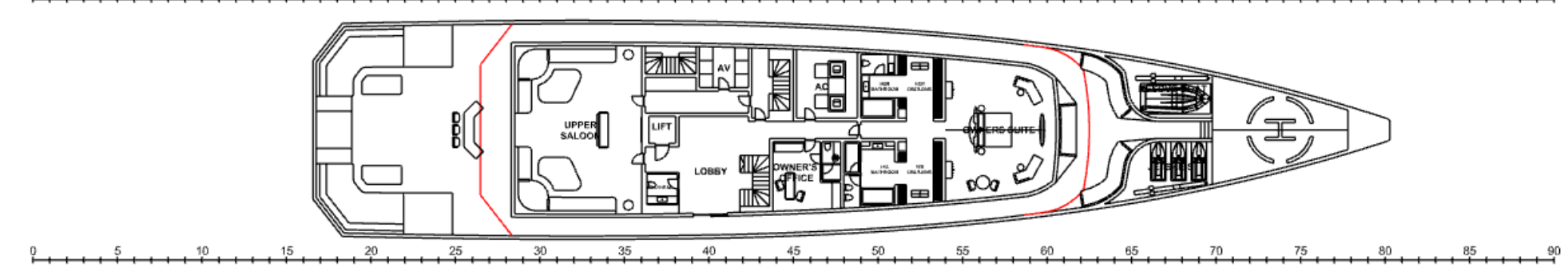
PROFILE



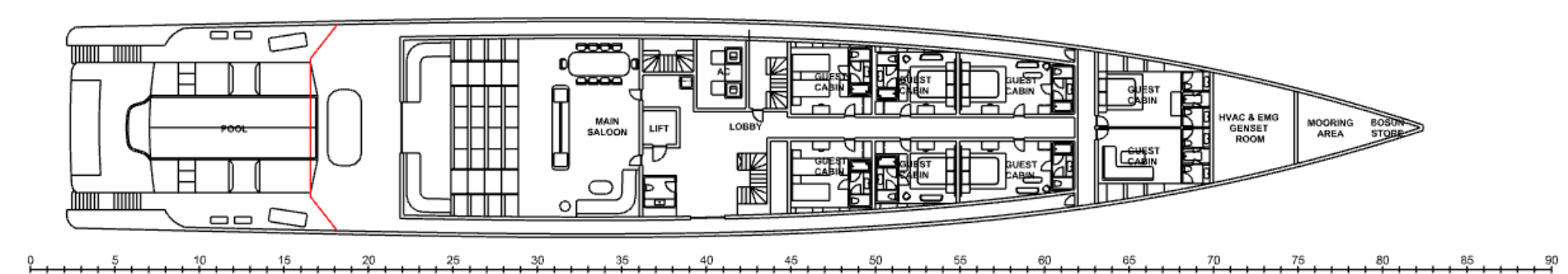
SUN DECK



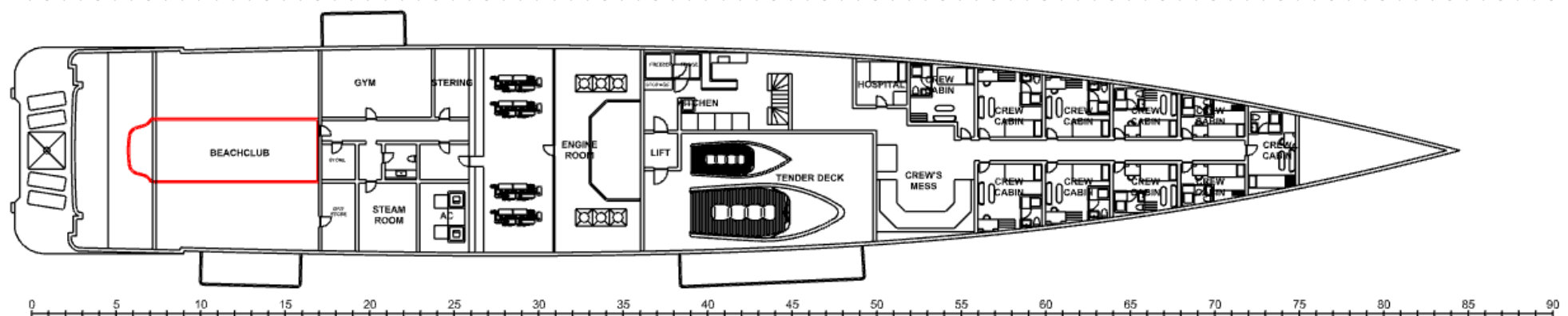
BRIDGE DECK



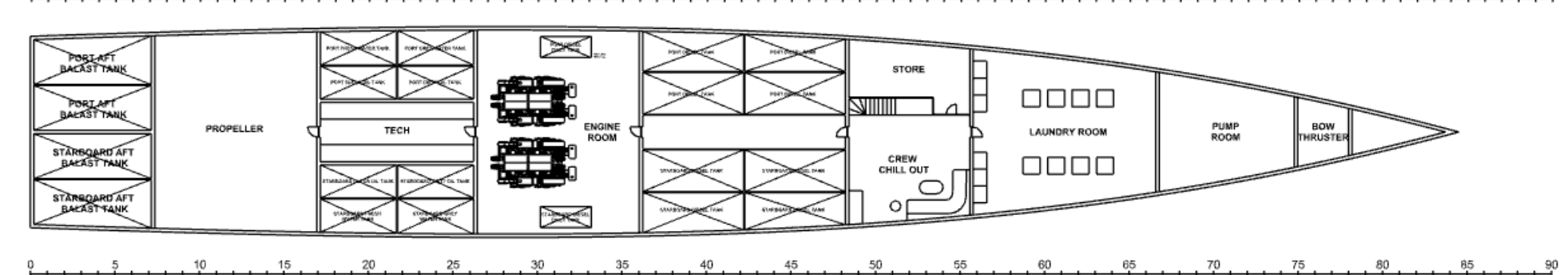
OWNERS DECK



MAIN DECK



LOWER DECK

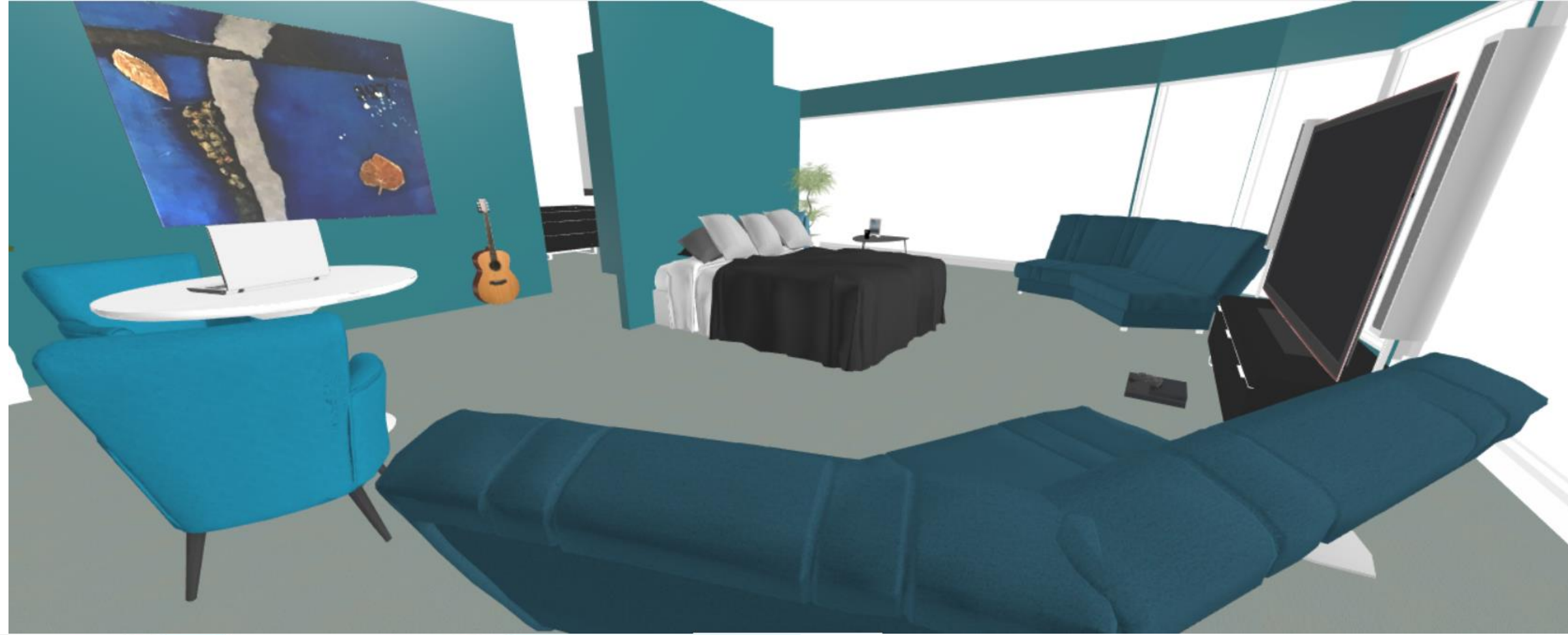


BILGE DECK

AĞIRLIK TABLOSU										
Item Name		Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Total FSM tonne.m
Structures										
Steel Hull		1,000	800,000				43,000	0,000	7,000	0,000
Super Structure		1,000	400,000				43,000	0,000	12,000	0,000
Fin		2,000	100,000				40,000	0,000	2,000	0,000
Propeller		2,000	200,000				12,000	0,000	0,000	0,000
Engine Room										
Diesel Generator		4,000	18,000				29,500	0,000	5,000	0,000
Electrical Engine		2,000	25,000				28,500	0,000	3,000	0,000
Outfitting										
Equipment		1,000	0,100				50,000	0,000	12,000	0,000
Doors		100,000	0,020				52,000	0,000	12,000	0,000
Lights		1,000	0,150				53,000	0,000	12,000	0,000
Sun Deck										
Radar		2,000	0,050				44,700	0,000	17,100	0,000
Bridge Deck										
Wheelhouse	Chair	3,000	0,010				52,800	0,000	14,200	0,000
	Couch	2,000	0,100				50,300	0,000	14,800	0,000
	Table	1,000	0,100				50,300	-2,000	14,500	0,000
	Cabinet	2,000	0,080				50,000	3,600	14,600	0,000
	Computer	2,000	0,015				55,500	0,000	14,500	0,000
	Controller	1,000	0,020				55,500	0,000	14,500	0,000
Ships Office	Table	2,000	0,100				47,300	-3,000	14,200	0,000
	Chair	2,000	0,008				47,300	-3,000	14,800	0,000
	Cabinet	2,000	0,080				47,300	-1,200	14,500	0,000
Captains Cabin	Toilet	1,000	0,200				48,800	1,600	14,700	0,000
	Chair	1,000	0,008				48,600	3,700	14,900	0,000
	Table	1,000	0,100				49,300	3,700	14,500	0,000
	Bed	2,000	0,060				46,000	3,900	14,600	0,000
Lobby	Wardrobe	1,000	0,080				45,200	2,400	14,500	0,000
	Table	1,000	0,100				41,900	-2,800	14,600	0,000
	Chair	10,000	0,008				41,900	-2,800	14,500	0,000
	Toilet	1,000	0,200				37,200	-2,000	14,200	0,000
	Lift	1,000	2,000				37,200	0,000	14,700	0,000
Open Deck	Stair	2,000	1,000				42,600	0,000	14,800	0,000
	Corner Couch	2,000	0,120				30,000	0,000	14,700	0,000
	Small Corner	2,000	0,060				33,500	0,000	14,600	0,000
	Fire Place	1,000	0,100				31,700	0,000	14,500	0,000
Open Deck	Hot Tub	1,000	0,200				27,800	0,000	14,600	0,000
Owners Deck										
Open Deck	Corner Couch	2,000	0,120				19,200	0,000	11,200	0,000
	Table	2,000	0,100				20,600	0,000	11,400	0,000
	Grass	3,000	0,005				21,800	0,000	11,200	0,000
	Bar	1,000	0,050				26,100	0,000	11,600	0,000
	Chair	3,000	0,008				24,900	0,000	11,500	0,000
Upper Saloon	Corner Couch	2,000	0,120				35,500	0,000	11,200	0,000
	Couch	1,000	0,100				33,800	0,000	11,200	0,000
	Table	2,000	0,100				31,200	0,000	11,400	0,000
	Mini Table	1,000	0,050				35,200	0,000	11,400	0,000
	TV	1,000	0,040				33,400	0,000	11,500	0,000
Lobby	Stair	3,000	1,000				43,500	-1,600	11,600	0,000
	AV	1,000	0,800				41,000	-3,800	11,600	0,000
	AC	1,000	0,800				47,600	-2,600	11,700	0,000
	Lift	1,000	2,000				37,300	0,000	11,800	0,000
	Dayhead	1,000	0,100				37,300	3,500	11,700	0,000
Owner Office	Toilet	1,000	0,200				47,200	2,000	11,700	0,000
	Couch	1,000	0,100				44,800	1,000	11,200	0,000
	Table	1,000	0,100				44,800	3,400	11,400	0,000
	Armchair	2,000	0,020				44,800	3,400	11,400	0,000
	Couch	2,000	0,100				59,000	0,000	11,400	0,000
Owner Suite	TV	1,000	0,040				59,700	0,000	11,400	0,000
	Bed	2,000	0,060				56,800	0,000	11,500	0,000
	Wardrobe	2,000	0,050				54,100	0,000	11,600	0,000
	Table	1,000	0,100				56,200	3,250	11,600	0,000
	Armchair	2,000	0,020				56,200	3,250	11,700	0,000
	Bathroom	2,000	0,250				50,400	0,000	11,800	0,000
	Dressing	2,000	0,150				52,900	0,000	11,700	0,000
Jetski		3,000	0,800				67,800	2,000	11,100	0,000
Rescue boat		1,000	1,200				67,800	-2,000	11,200	0,000
Touch & Go		1,000	0,050				73,800	0,000	11,200	0,000
Main Deck										
Open Deck	Couch	6,000	0,100				11,500	0,000	8,200	0,000
	Plants	4,000	0,005				11,800	0,000	8,500	0,000
	Sunbed	2,000	0,050				15,250	0,000	8,200	0,000
	Table	1,000	0,100				18,500	0,000	8,500	0,000
	Stair	6,000	1,000				5,000	0,000	8,400	0,000
	Pool	1,000	1,000				12,000	0,000	8,300	0,000
Main Saloon	Corner Couch	3,000	0,120				28,000	0,000	8,200	0,000
	Floor Couch	24,000	0,030				26,900	0,000	8,500	0,000
	TV	1,000	0,040				31,150	0,000	8,500	0,000
	Table	1,000	0,100				33,600	-3,800	8,400	0,000
	Chair	10,000	0,020				33,600	-3,800	8,300	0,000
	Mini Table	2,000	0,040				34,000	4,200	8,500	0,000
	Lift	1,000	0,002				37,250	0,000	8,500	0,000
Lobby	Toilet	1,000	0,000				37,250	2,900	8,400	0,000
	AC	1,000	0,001				40,900	-3,300	8,500	0,000
	Stair	5,000	0,001				42,000	-1,500	8,400	0,000
	Dumbwaiter	1,000	0,000				38,800	-2,700	8,300	0,000
Guest Cabin		8,000	0,003				57,000	0,000	8,500	0,000
HVAC		1,000	0,002				72,000	0,000	8,400	0,000
EMG GENSET		1,000	0,002				72,000	0,000	8,500	0,000
Mooring Area		1,000	0,010				77,000	0,000	8,400	0,000
Bosun Store		1,000	0,002				79,000	0,000	8,300	0,000
Lower Deck										
Beach Club	Sunbed	4,000	0,050				0,800	0,000	5,200	0,000
	Umbrella	1,000	0,050				0,800	0,000	5,200	0,000
Gym		1,000	5,000				19,700	-4,200	5,200	0,000
Stering		1,000	1,000				24,100	-4,200	5,400	0,000
Store		1,000	1,000				18,100	0,800	5,800	0,000
Dive Store		1,000	2,000				18,100	3,900	5,700	0,000
Steam Room		1,000	5,000				21,100	3,900	5,300	0,000
AC		1,000	1,000				24,400	3,900	5,100	0,000
Toilet		1,000	0,200				21,900	0,800	5,500	0,000
ER Office		1,000	1,000				34,600	0,000	5,500	0,000
Lift		1,000	2,000				37,200	0,000	5,600	0,000
Kitchen		1,000	5,000				39,200	-3,600	5,500	0,000
Tender Deck		1,000	25,000				43,400	4,000	5,500	0,000
Hospital		1,000	1,000				50,300	-4,000	5,600	0,000
Crews Mess		1,000	2,000				52,800	2,300	5,400	0,000
Crew Cabin		10,000	2,000				62,900	-1,500	5,100	0,000
Stairs		1,000	2,000				44,200	-3,100	5,000	0,000
Bilge Deck										
Tech		1,000	2,000				21,700	0,000	2,200	0,000
Store		1,000	1,000				52,300	-3,000	2,400	0,000
Crew Chillout		1,000	2,000				53,000	4,400	2,600	0,000
Laundry Room		1,000	3,000				61,100	0,000	2,500	0,000
Pump Room		1,000	5,000				70,700	0,000	2,500	0,000
Bow Thruster		1,000	2,000				76,500	0,000	2,300	0,000
Total Loadcase				2357,911	720,111	352,811	39,058	0,005	3,720	278,248
FS correction									0,118	
VCG fluid									3,838	

*** Tankların etkileri Total Loadcase sonuçlarına yansıtılmış olup, sayfa kullanımı sebebiyle tank tablo değerleri farklı bir sayfada verilmiştir.

OWNER'S CABIN





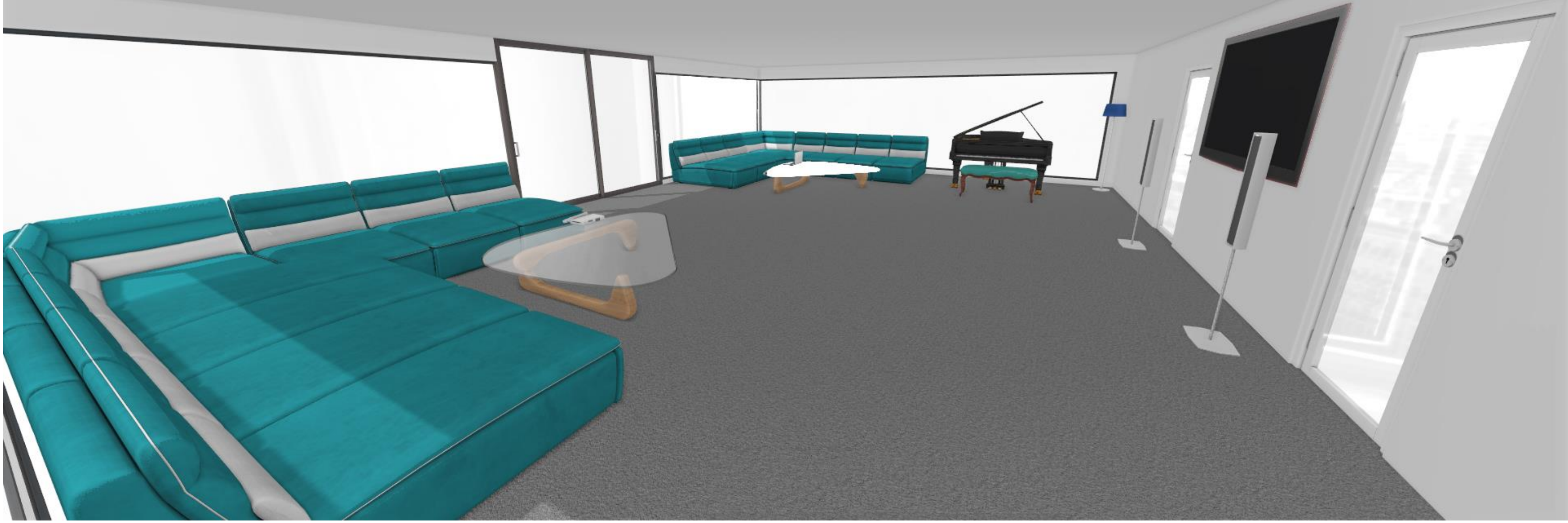
SHIP'S OFFICE

WHEELHOUSE





CAPTAIN'S CABIN



UPPER SALOON



GUEST CABIN



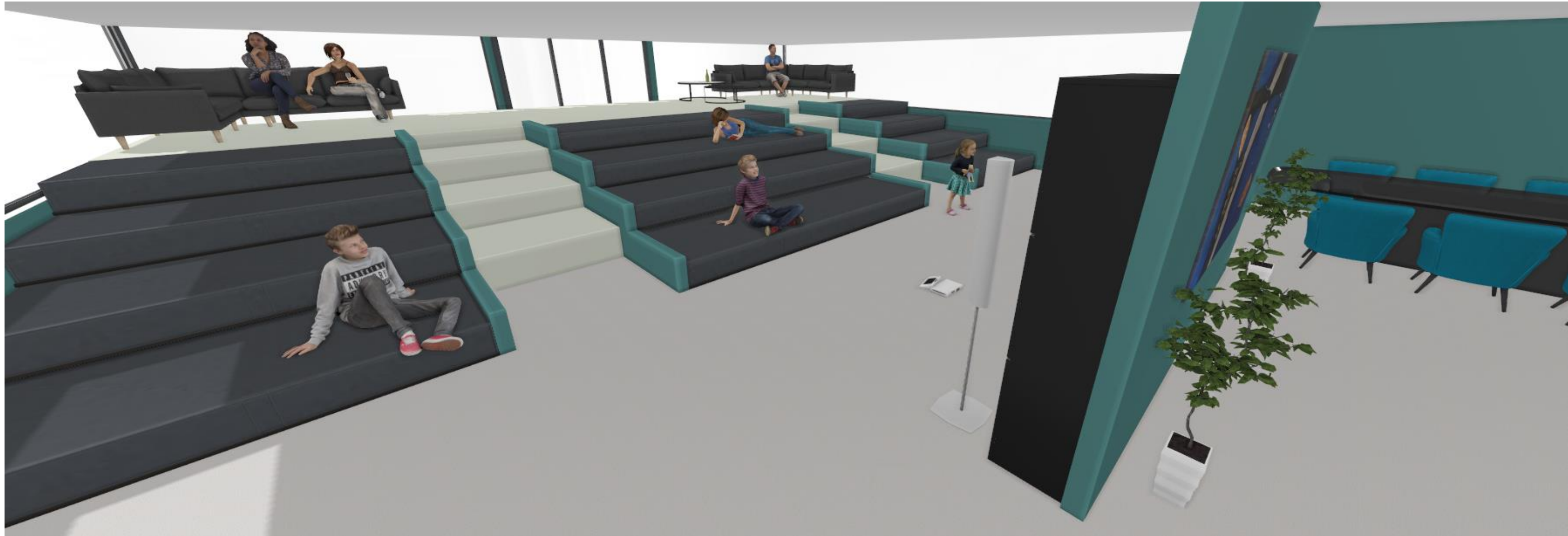
GUEST CABIN

CREW'S CABIN



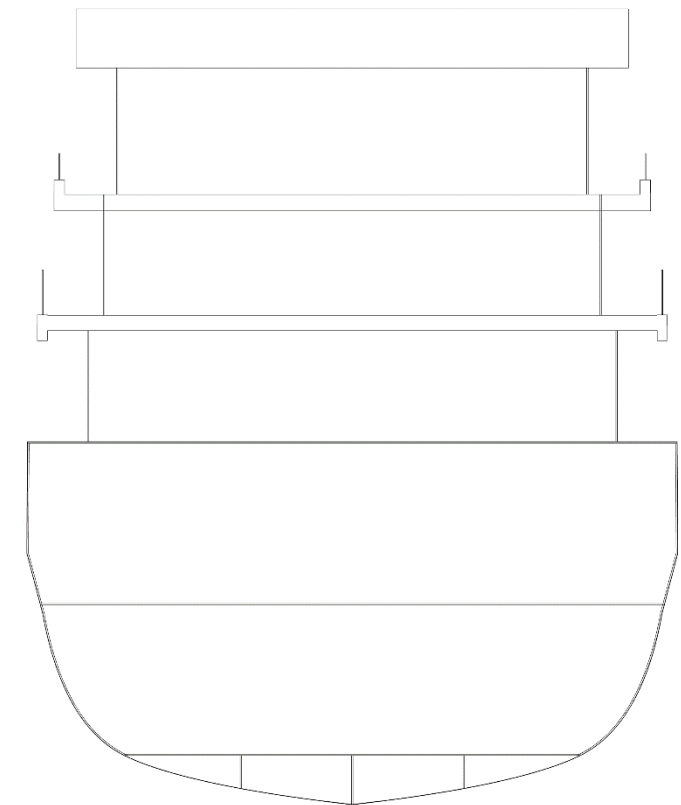


MAIN SALOON

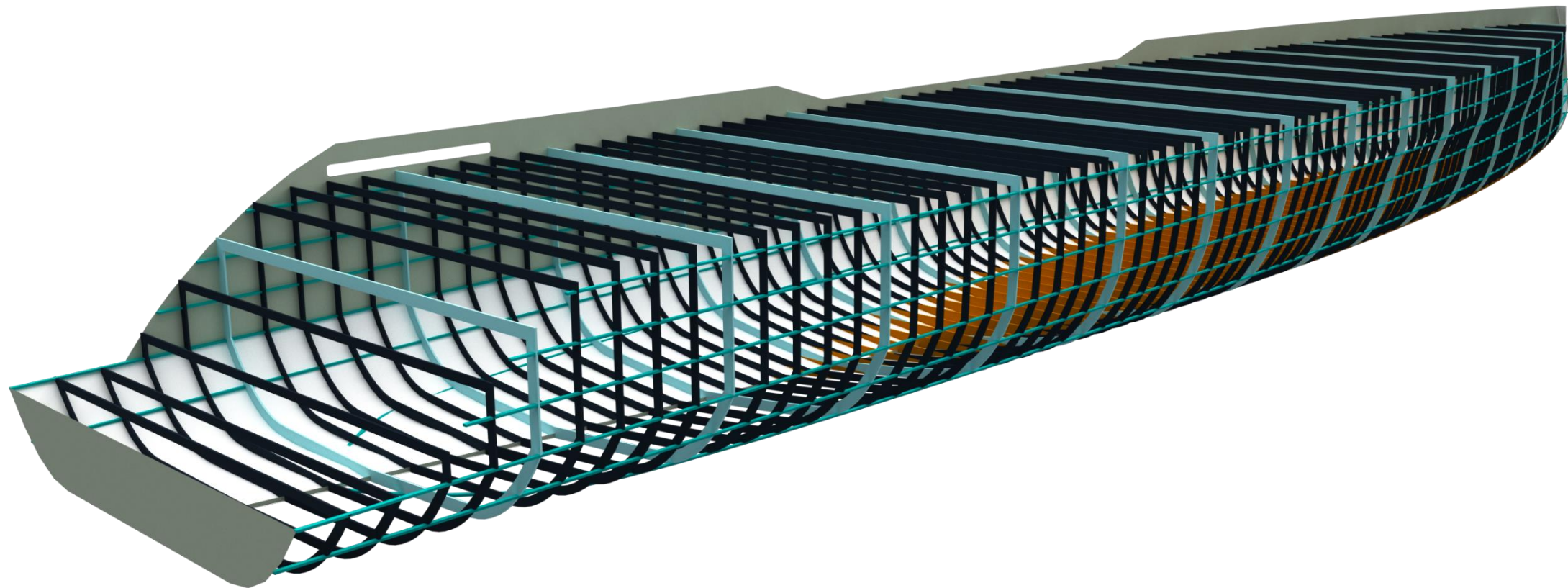
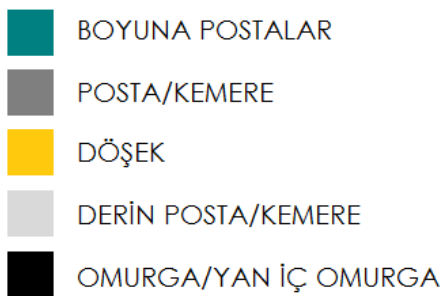


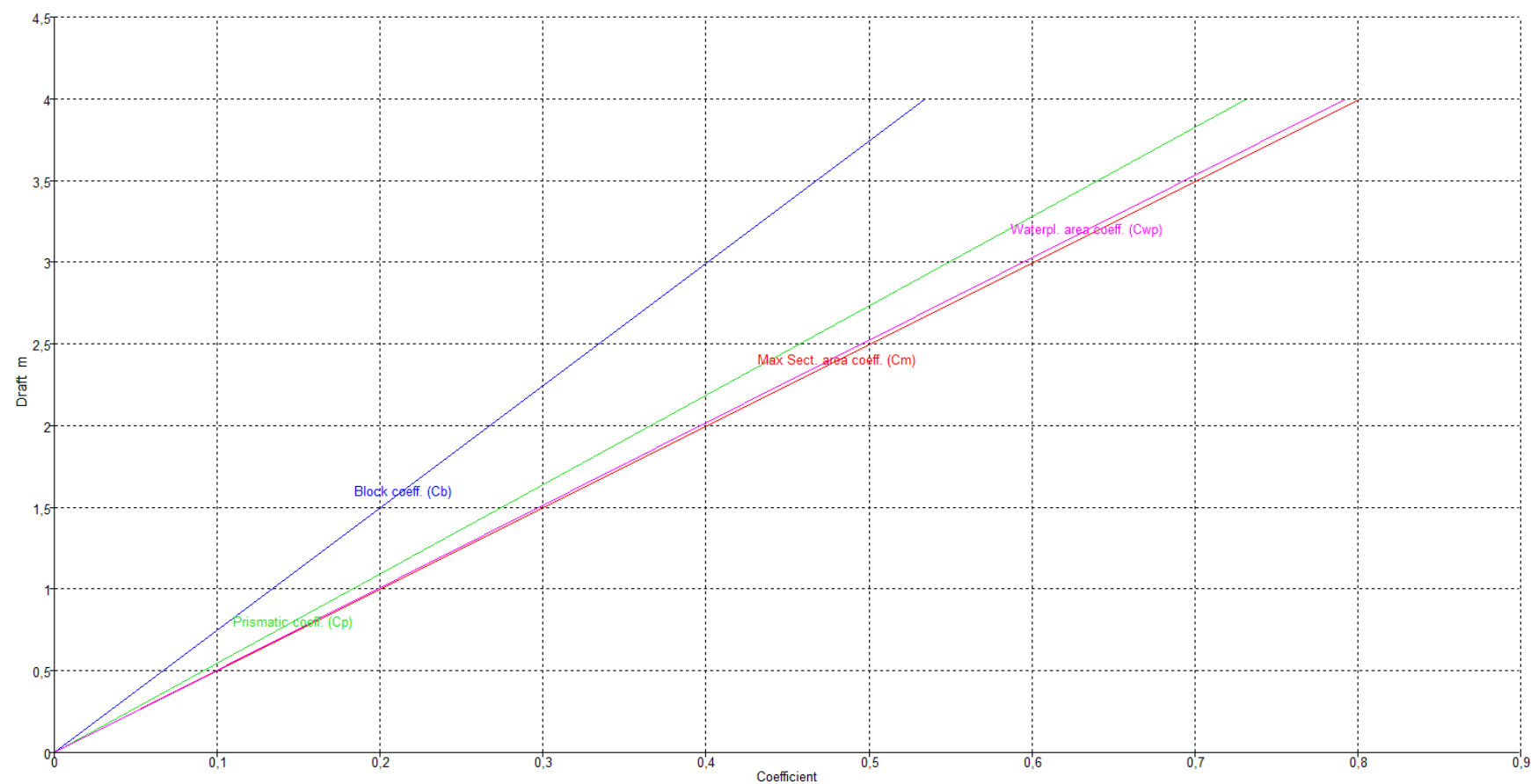
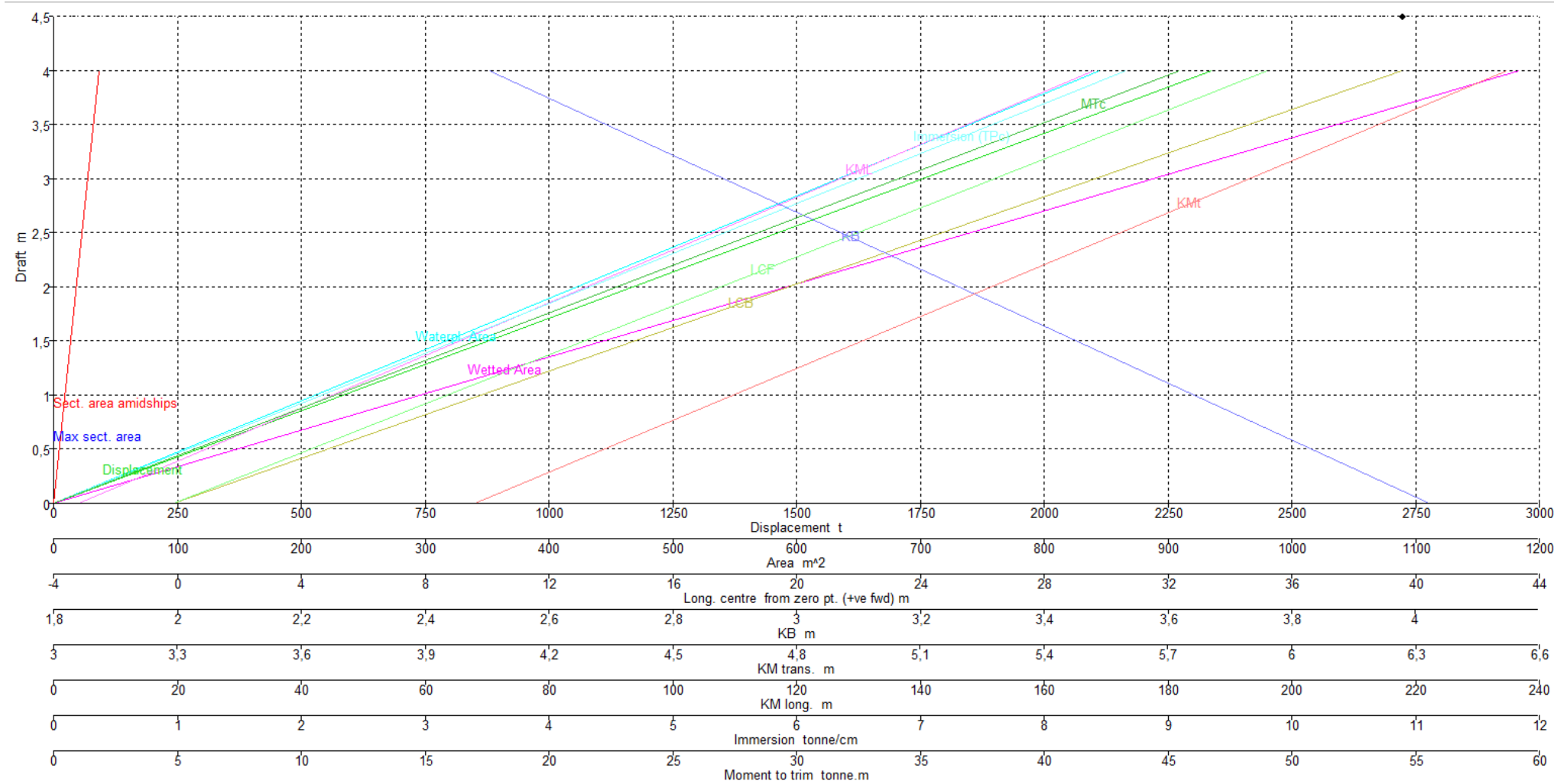
Elemanlar		b x h Boyutlar [mm]	Alan [m2]	yi [m]	A x yi [m3]	I [m4]	di [m]	di2 [m2]	Aidi2
1	Omurga	1,000 x 0,008	0,008	0,000	0,000	0,0000000512	3,500	12,250	0,09
2	Dip ve Sintine		0,000	0,000	0,000	0,000000	3,500	12,250	0,00
3	Borda		0,000	3,500	0,000	0,01382	0,000	0,000	0,00
4	Açık Güverte	1,230 x 0,005	0,006	7,000	0,043	0,000000	-3,500	12,250	0,07
5	İç Omurga	0,008 x 1,200	0,010	0,600	0,006	0,01382	2,900	8,410	0,08
6	Yan İç Omurga	0,006 x 1,200	0,007	0,600	0,004	0,01037	2,900	8,410	0,06
7	Dolu Döşek		5,396	2,100	11,332	31,65000	1,400	1,960	10,57
8	Posta	0,280 x 0,017	0,005	0,600	0,003	0,000000	2,900	8,410	0,04
9	Kemere	0,180 x 0,014	0,003	7,000	0,018	0,000000	-3,500	12,250	0,03
10	Tülani	0,240 x 0,014	0,003	3,500	0,012	0,000000	0,000	0,000	0,00
11	Derin Posta	0,340 x 0,021	0,007	3,500	0,025	0,000000	0,000	0,000	0,00
12	Derin Kemere	0,280 x 0,020	0,006	7,000	0,039	0,000000	-3,500	12,250	0,06
						31,68802			10,9616
			Sistem Ataleti		I	42,64970629			
			Kesit Modülü		Wmin	12,18563037			

Elemanlar	Boyutlar	Kesit Modülü
Omurga	b= 1 m , t= 8mm	-
Dip ve Sintine	t= 6 mm	-
Borda	t= 5 mm	-
Açık Güverte	t= 5 mm	-
Alt ve Kapalı Güverte	t= 4,5 mm	-
Üstyapı Perdesi	t= 3,5 mm	-
Su Geçirmez Bölme Perdesi	t= 4,5 mm	-
Tank Perdesi	t= 5 mm	-
Orta ve İç Omurga	t= 8mm	-
Döşek ve Yan İç Omurga	t= 6mm	-
Posta	280 x 17 LP	430 cm ³
Kemere	180 x 14 LP	150 cm ³
Stringer	240 x 14 LP	260 cm ³
Derin Kemere	340 x 21 LP	800 cm ³
Derin Posta	280 x 20 LP	580 cm ³



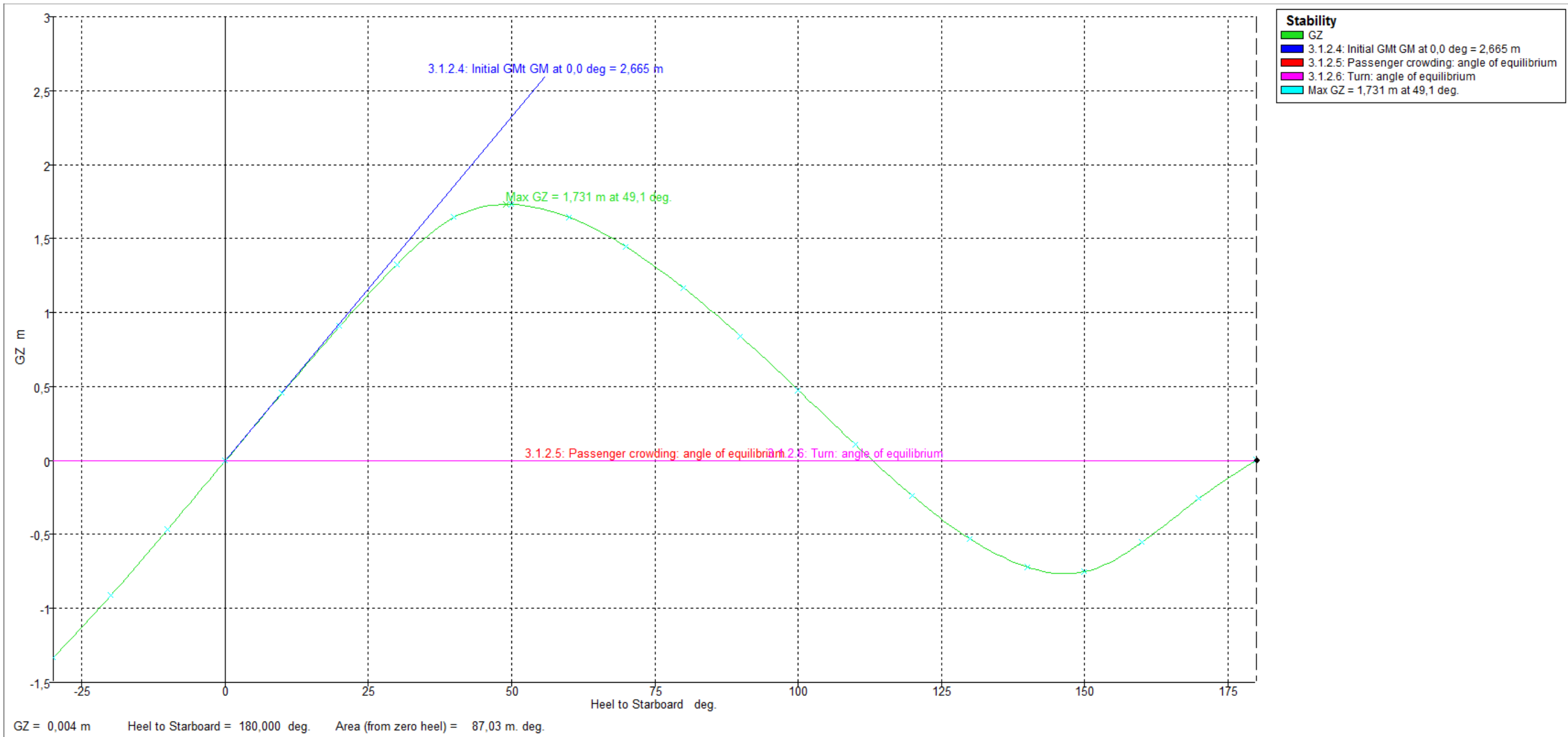
“Türk Loydu, Yatların Yapımı ve Klaslanmasına İlişkin Kurallar, Bölüm 5 – Tekne Konstrüksiyonu – Çelik Tekneler “ Kısmı esas alınarak hesaplamalar ve görselleştirmeler yapılmıştır.





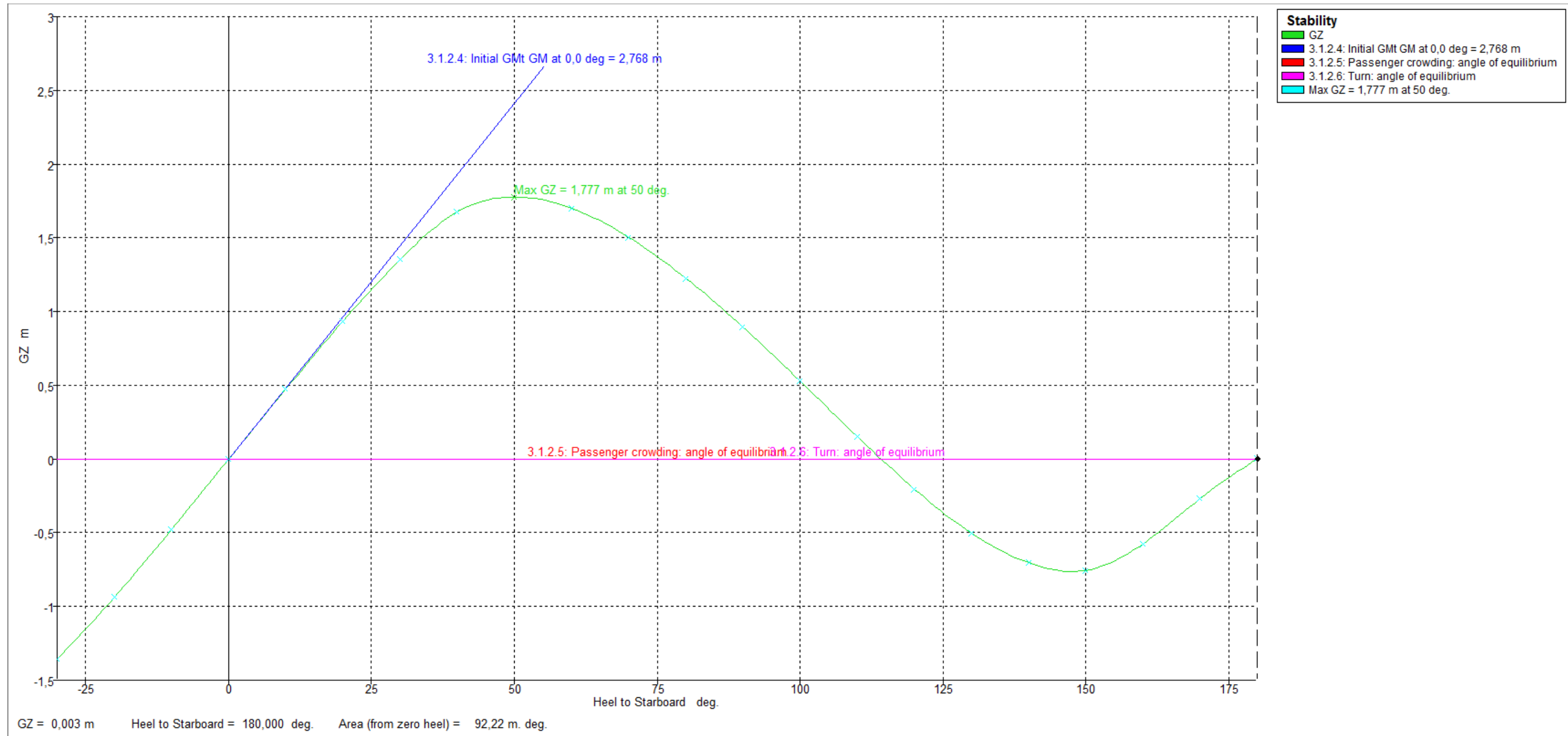
	Draft Amidships m	4,000
1	Displacement t	2338
2	Heel deg	0
3	Draft at FP m	4
4	Draft at AP m	4
5	Draft at LCF m	4
6	Trim (+ve by stern) m	0
7	WL Length m	84,32
8	Beam max extents on WL m	12,65
9	Wetted Area m²	1183,953
10	Waterpl. Area m²	845,225
11	Prismatic coeff. (Cp)	0,732
12	Block coeff. (Cb)	0,535
13	Max Sect. area coeff. (Cm)	0,801
14	Waterpl. area coeff. (Cwp)	0,792
15	LCB from zero pt. (+ve fwd) m	39,555
16	LCF from zero pt. (+ve fwd) m	35,226
17	KB m	2,504
18	KG m	4
19	BMt m	4,017
20	BML m	165,513
21	GMt m	2,521
22	GML m	164,018
23	KMt m	6,521
24	KML m	168,018
25	Immersion (TPC) tonne/cm	8,664
26	MTc tonne.m	45,48
27	RM at 1deg = GMt.Disp.sin(1) tonne.m	102,888
28	Max deck inclination deg	0
29	Trim angle (+ve by stern) deg	0

GZ-φ EĞRİSİ (KALKIŞ)



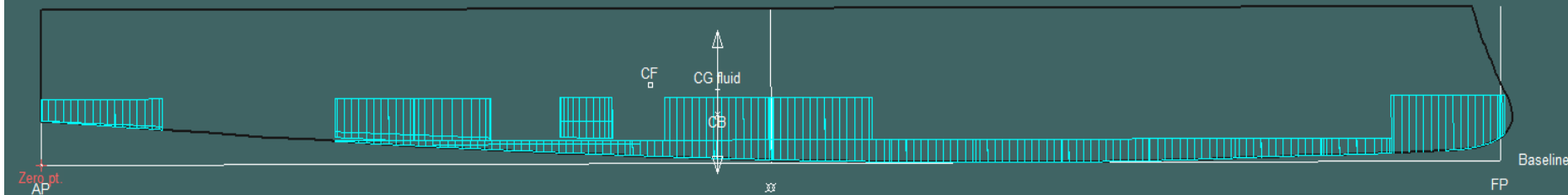
	Heel to Starboard deg	-30,0	-20,0	-10,0	0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	180,0
1	GZ m	-1,332	-0,915	-0,465	-0,004	0,457	0,907	1,325	1,644	1,73	1,644	1,444	1,166	0,837	0,477	0,108	-0,24	-0,531	-0,72	-0,752	-0,554	-0,257	0,004
2	Area under GZ curve from zero heel m.deg	20,5126	9,2611	2,3441	-0,007	2,2688	9,1061	20,3092	35,3019	52,3557	69,3378	84,8556	97,9589	108,0087	114,5935	117,5106	116,8182	112,8975	106,5453	99,0107	92,3198	88,2581	87,0259
3	Displacement t	2374	2374	2374	2374	2374	2374	2374	2375	2374	2374	2374	2374	2374	2374	2375	2374	2374	2374	2374	2374	2374	2374
4	Draft at FP m	3,882	3,893	3,911	3,918	3,911	3,893	3,881	3,881	3,885	3,902	3,951	4,118	n/a	-3,525	-3,714	-3,811	-3,911	-4,023	-4,162	-4,289	-4,341	-4,365
5	Draft at AP m	3,738	3,999	4,104	4,131	4,104	3,999	3,738	3,205	2,48	1,403	-0,595	-6,341	n/a	-16,033	-10,288	-8,308	-7,26	-6,612	-6,221	-6,085	-6,086	-6,083
6	WL Length m	84,398	84,391	84,379	84,374	84,379	84,391	84,398	84,4	84,4	84,393	84,366	84,289	84,764	84,676	84,548	84,479	84,408	84,333	84,264	84,204	84,181	84,17
7	Beam max extents on WL m	12,629	12,653	12,654	12,667	12,654	12,653	12,629	11,37	9,927	8,993	8,415	8,114	7,938	7,965	8,208	8,683	9,43	10,471	11,902	13,352	13,052	12,997
8	Wetted Area m^2	1178,747	1188,066	1189,191	1189,652	1189,192	1188,067	1178,731	1183,934	1198,142	1206,728	1211,707	1214,359	1215,876	1217,37	1219,764	1224,32	1233,522	1254,233	1295,583	1354,157	1358,579	1358,641
9	Waterpl. Area m^2	852,442	855,256	848,8	845,88	848,8	855,253	852,454	800,824	719,833	665,837	632,754	615,226	610,223	605,113	614,822	641,444	686,401	747,165	821,757	898,988	875,472	868,755
10	Prismatic coeff. (Cp)	0,73	0,733	0,736	0,737	0,736	0,733	0,73	0,728	0,732	0,737	0,743	0,75	0,751	0,757	0,763	0,769	0,775	0,782	0,786	0,778	0,774	0,773
11	Block coeff. (Cb)	0,478	0,512	0,544	0,543	0,544	0,512	0,478	0,508	0,566	0,614	0,649	0,652	0,635	0,576	0,528	0,487	0,452	0,426	0,41	0,424	0,528	0,589
12	LCB from zero pt. (+ve fwd) m	39,085	39,078	39,078	39,078	39,078	39,079	39,082	39,094	39,106	39,119	39,133	39,146	39,159	39,166	39,171	39,177	39,164	39,154	39,143	39,139	39,139	39,134
13	LCF from zero pt. (+ve fwd) m	37,423	36,393	35,737	35,235	35,737	36,394	37,422	38,823	40,342	41,413	42,295	43,099	43,714	43,2	42,505	41,661	40,628	39,459	38,02	35,838	35,56	35,606
14	Max deck inclination deg	30,0001	20,0001	10,0008	0,1445	10,0008	20,0001	30,0001	40,0013	50,0028	60,0036	70,0035	80,0023	90	99,9967	109,9926	119,9882	129,9843	139,9811	149,9778	159,9685	169,9327	178,8323
15	Trim angle (+ve by stern) deg	-0,0984	0,0722	0,1314	0,1445	0,1314	0,0719	-0,0972	-0,4593	-0,9547	-1,6976	-3,086	-7,0706	-90	-8,4375	-4,4577	-3,0525	-2,2746	-1,7584	-1,3985	-1,2203	-1,1857	-1,1677

GZ-φ EĞRİSİ (VARIŞ)



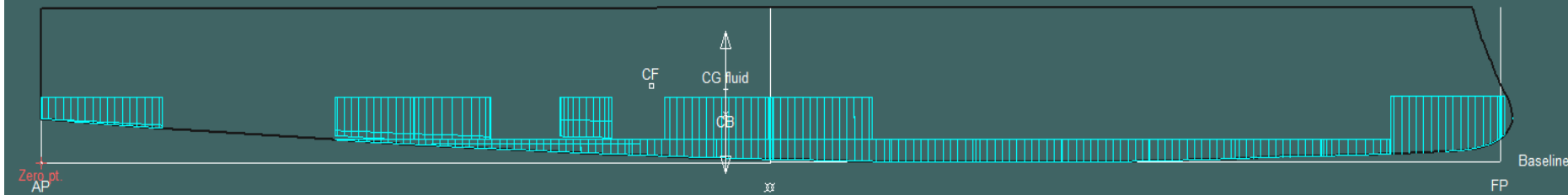
	Heel to Starboard deg	-30,0	-20,0	-10,0	0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	180,0
1	GZ m	-1,356	-0,939	-0,478	-0,003	0,472	0,933	1,351	1,675	1,777	1,7	1,504	1,226	0,894	0,528	0,152	-0,203	-0,503	-0,704	-0,755	-0,576	-0,269	0,003
2	Area under GZ curve from zero heel m.deg	21,0225	9,5196	2,407	-0,0055	2,348	9,3974	20,8643	36,1364	53,585	71,0915	87,1946	100,9022	111,5392	118,6684	122,0687	121,7849	118,1881	112,0536	104,5904	97,7623	93,5144	92,2221
3	Displacement t	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300
4	Draft at FP m	3,914	3,913	3,926	3,929	3,926	3,913	3,912	3,922	3,945	3,988	4,086	4,39	n/a	-3,251	-3,576	-3,725	-3,847	-3,976	-4,126	-4,272	-4,328	-4,349
5	Draft at AP m	3,534	3,823	3,941	3,975	3,941	3,823	3,535	2,951	2,123	0,89	-1,407	-8,023	n/a	-17,744	-11,128	-8,841	-7,639	-6,894	-6,44	-6,248	-6,242	-6,24
6	WL Length m	84,378	84,377	84,369	84,367	84,369	84,377	84,379	84,375	84,364	84,342	84,303	84,181	84,601	84,841	84,649	84,547	84,459	84,366	84,286	84,215	84,191	84,181
7	Beam max extents on WL m	12,522	12,593	12,615	12,626	12,615	12,593	12,522	11,406	9,946	9,005	8,424	8,122	7,932	7,956	8,195	8,664	9,395	10,401	11,792	13,385	13,067	12,996
8	Wetted Area m^2	1160,287	1172,464	1174,402	1175,291	1174,404	1172,464	1160,27	1162,291	1176,438	1184,962	1189,76	1192,423	1194,006	1195,269	1197,501	1202,007	1211,576	1232,885	1273,931	1335,089	1344,782	1344,841
9	Waterpl. Area m^2	841,891	849,519	845,104	844,071	845,104	849,515	841,913	802,287	721,362	666,745	632,698	614,098	608,006	603,725	613,246	639,301	682,38	739,541	811,119	892,373	876,107	869,272
10	Prismatic coeff. (Cp)	0,724	0,727	0,73	0,731	0,73	0,727	0,724	0,722	0,726	0,732	0,738	0,745	0,747	0,75	0,757	0,763	0,769	0,776	0,78	0,77	0,766	0,765
11	Block coeff. (Cb)	0,474	0,505	0,534	0,534	0,534	0,505	0,474	0,498	0,558	0,608	0,645	0,648	0,631	0,569	0,521	0,48	0,446	0,421	0,406	0,414	0,515	0,568
12	LCB from zero pt. (+ve fwd) m	39,545	39,536	39,534	39,535	39,535	39,537	39,541	39,553	39,568	39,583	39,599	39,614	39,626	39,636	39,641	39,639	39,631	39,619	39,615	39,6	39,601	39,6
13	LCF from zero pt. (+ve fwd) m	37,646	36,51	35,794	35,255	35,794	36,51	37,644	38,813	40,325	41,412	42,321	43,12	43,68	43,236	42,547	41,709	40,728	39,621	38,23	36,059	35,576	35,63
14	Max deck inclination deg	30,0008	20,0001	10	0,0315	10	20,0001	30,0007	40,0027	50,0046	60,0056	70,0052	80,0033	90	99,9955	109,9902	119,9848	129,9799	139,976	149,972	159,9619	169,9191	178,7154
15	Trim angle (+ve by stern) deg	-0,2582	-0,0612	0,0107	0,0315	0,0105	-0,0615	-0,2564	-0,66	-1,2377	-2,1043	-3,7271	-8,3744	-90	-9,7523	-5,1179	-3,4717	-2,5751	-1,9825	-1,5719	-1,3425	-1,3009	-1,2846

LOADCASE 1 - (DEPARTURE, TENDER IN, TANKS FULL)



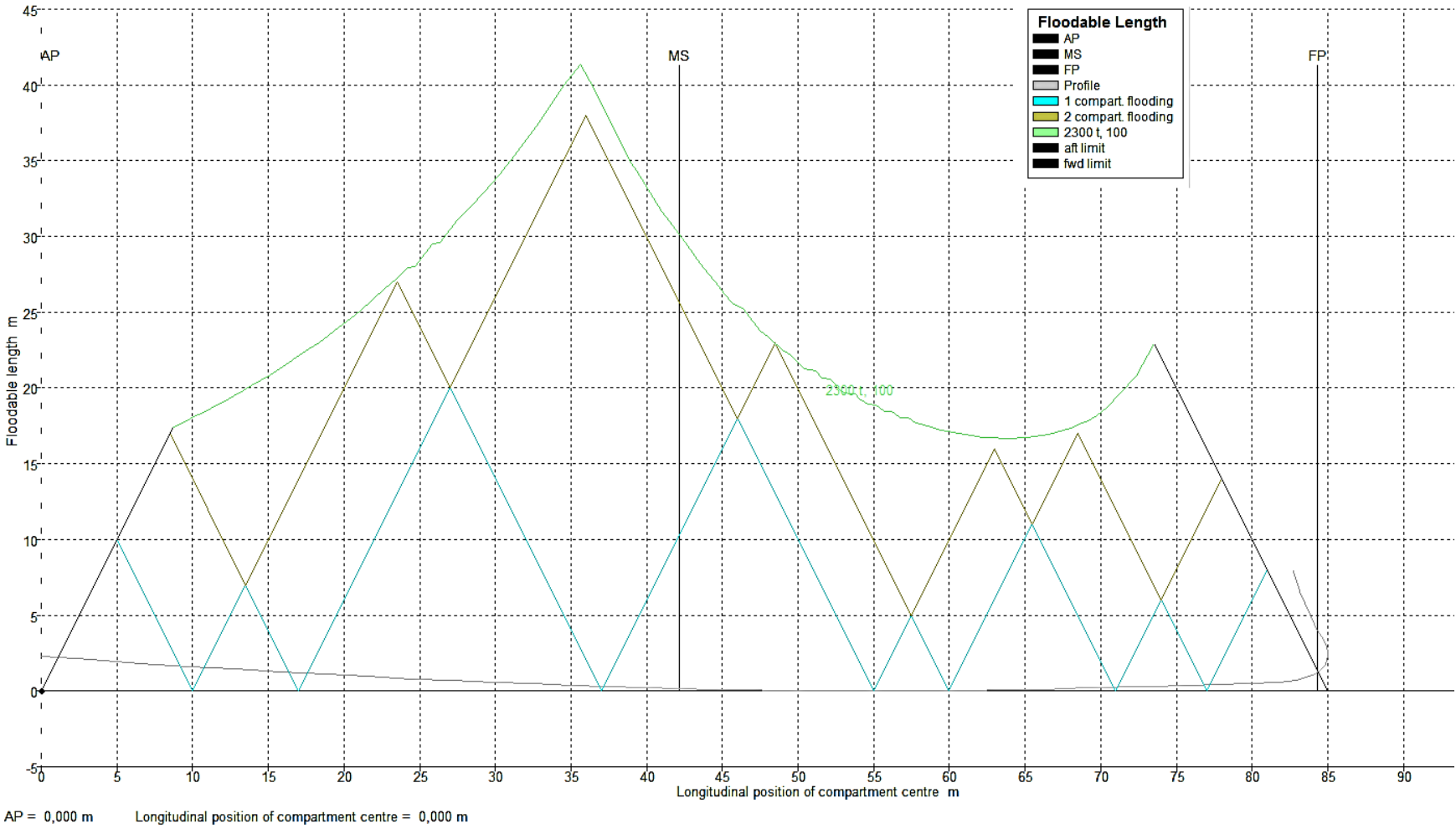
DISP: 2374 T, TAMID: 4,024 M, TRIM: 0,213 M, HEEL: 0 DEG (STBD)

LOADCASE 2 - (ARRIVAL, TENDER OUT, TANKS EMPTY)

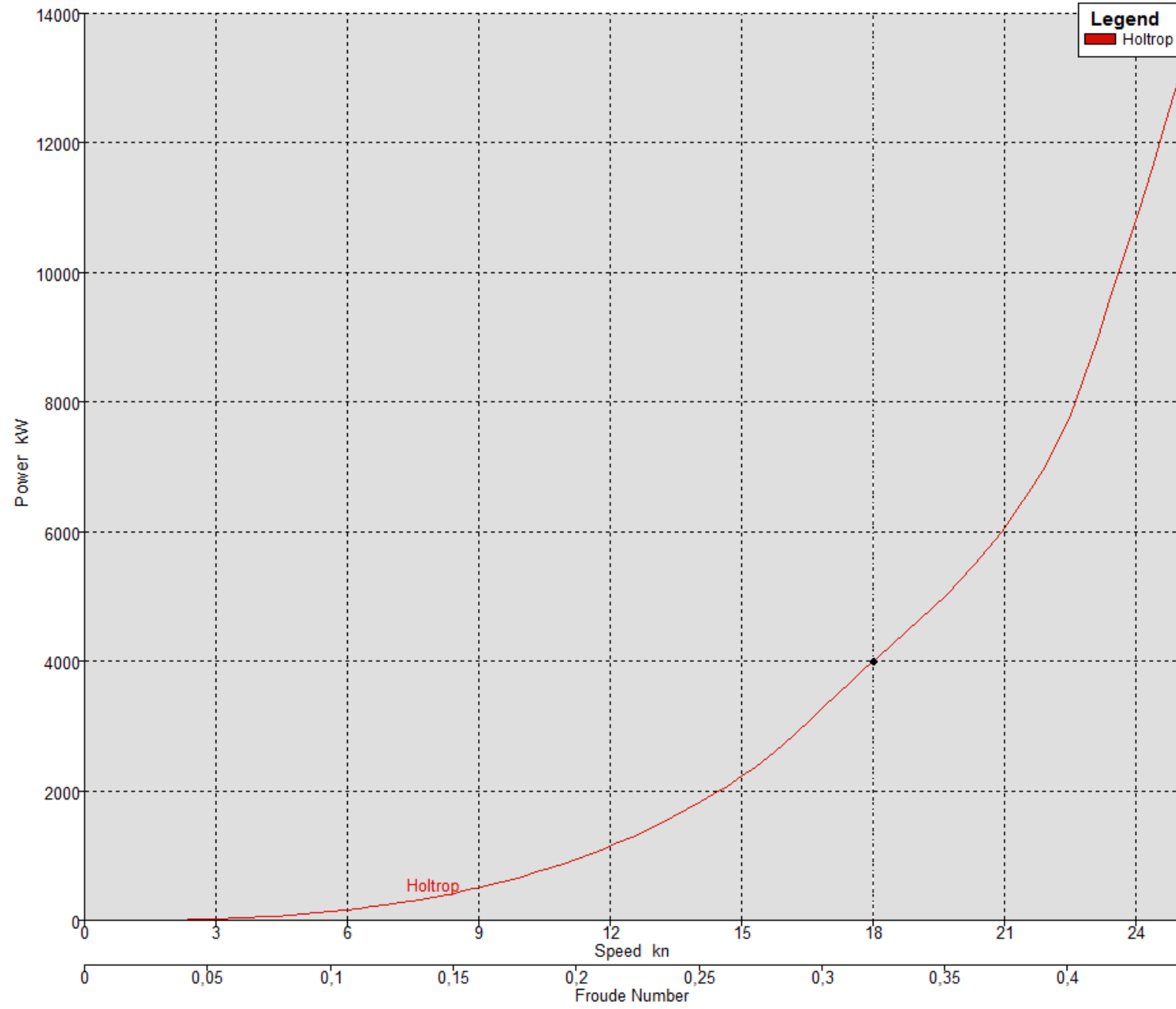


DISP: 2300 T, TAMID: 3,952 M, TRIM: 0,046 M, HEEL: 0 DEG (STBD)

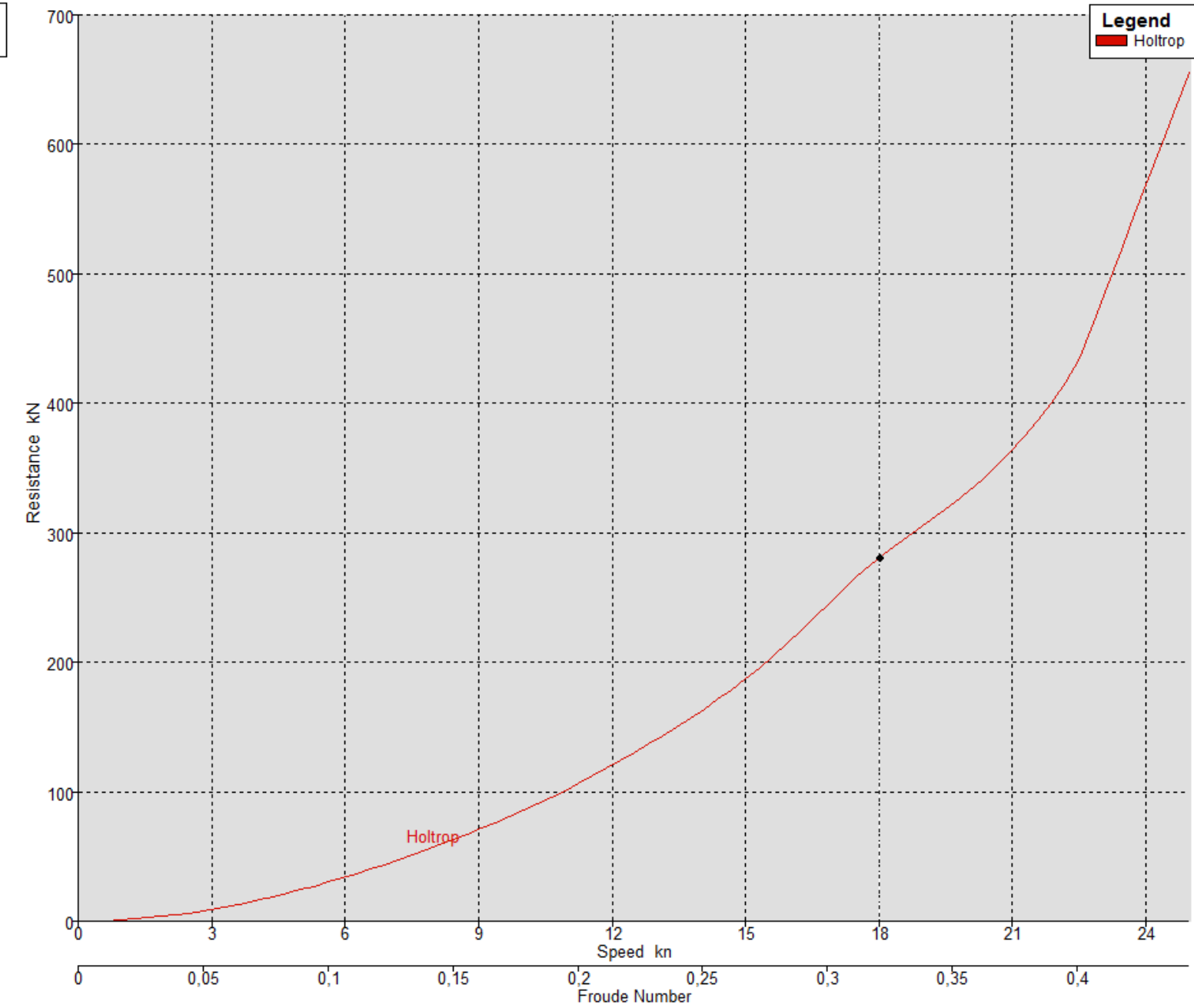
	LOADCASE 1		LOADCASE 2	
1	Draft Amidships m	4,024	Draft Amidships m	3,952
2	Displacement t	2374	Displacement t	2300
3	Heel deg	0	Heel deg	0
4	Draft at FP m	3,918	Draft at FP m	3,929
5	Draft at AP m	4,131	Draft at AP m	3,975
6	Draft at LCF m	4,042	Draft at LCF m	3,956
7	Trim (+ve by stern) m	0,213	Trim (+ve by stern) m	0,046
8	WL Length m	84,375	WL Length m	84,367
9	Beam max extents on WL m	12,667	Beam max extents on WL m	12,626
10	Wetted Area m^2	1189,645	Wetted Area m^2	1175,292
11	Waterpl. Area m^2	845,88	Waterpl. Area m^2	844,071
12	Prismatic coeff. (Cp)	0,737	Prismatic coeff. (Cp)	0,731
13	Block coeff. (Cb)	0,543	Block coeff. (Cb)	0,534
14	Max Sect. area coeff. (Cm)	0,8	Max Sect. area coeff. (Cm)	0,8
15	Waterpl. area coeff. (Cwp)	0,791	Waterpl. area coeff. (Cwp)	0,792
16	LCB from zero pt. (+ve fwd) m	39,076	LCB from zero pt. (+ve fwd) m	39,535
17	LCF from zero pt. (+ve fwd) m	35,235	LCF from zero pt. (+ve fwd) m	35,255
18	KB m	2,528	KB m	2,48
19	KG fluid m	3,826	KG fluid m	3,773
20	BMt m	3,963	BMt m	4,062
21	BML m	163,159	BML m	168,215
22	GMt corrected m	2,665	GMt corrected m	2,768
23	GML m	161,861	GML m	166,921
24	KMt m	6,491	KMt m	6,542
25	KML m	165,686	KML m	170,695
26	Immersion (TPc) tonne/cm	8,67	Immersion (TPc) tonne/cm	8,652
27	MTc tonne.m	45,58	MTc tonne.m	45,526
28	RM at 1deg = GMt.Disp.sin(1) tonne.m	110,443	RM at 1deg = GMt.Disp.sin(1) tonne.m	111,114
29	Max deck inclination deg	0,145	Max deck inclination deg	0,0314
30	Trim angle (+ve by stern) deg	0,145	Trim angle (+ve by stern) deg	0,0314



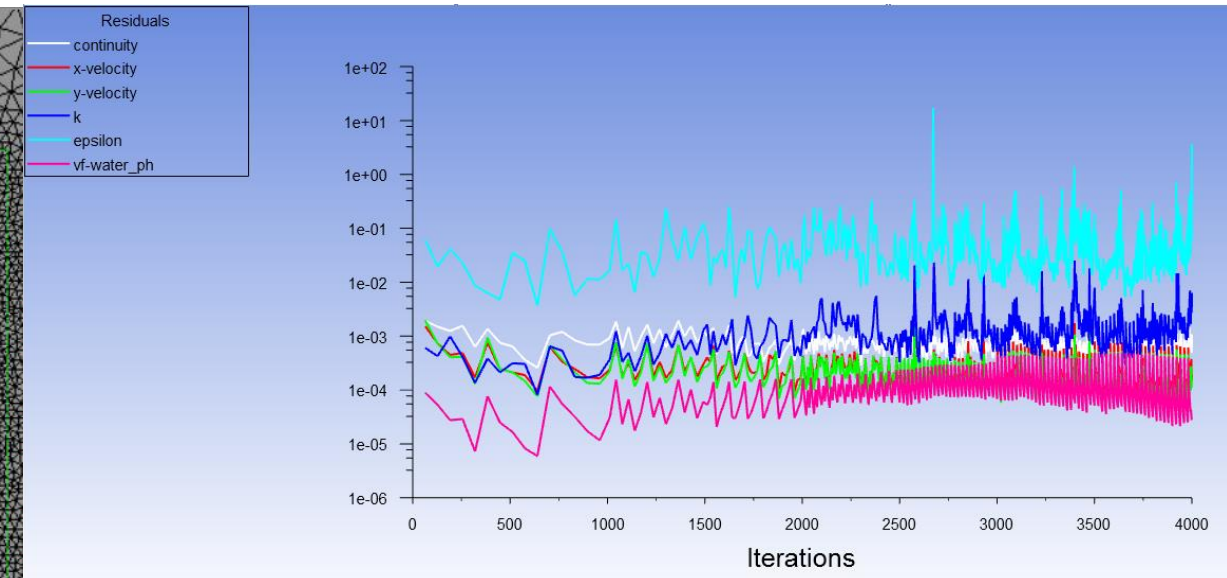
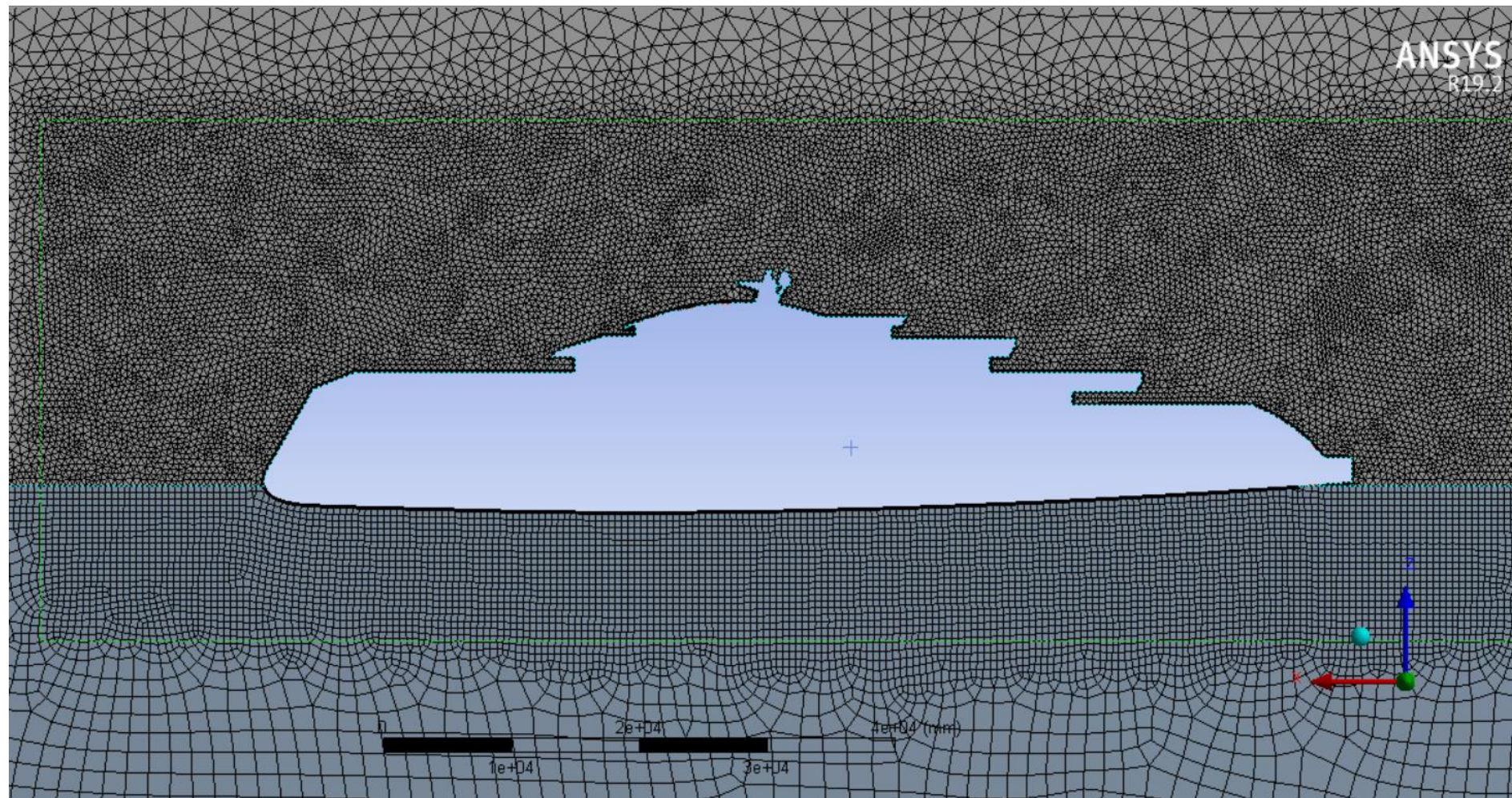
Code	Criteria	Value	Units	Actual	Status	Margin %
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30				Pass	
	from the greater of					
	spec. heel angle	0 deg		0		
	to the lesser of					
	spec. heel angle	30 deg		30		
A.749(18) Ch3 - Design criteria applicable to all ships	angle of vanishing stability	112,7 deg				
	shall not be less than (>=)	3,1513 m.deg		20,2499	Pass	542,59
	3.1.2.1: Area 0 to 40				Pass	
	from the greater of					
	spec. heel angle	0 deg		0		
A.749(18) Ch3 - Design criteria applicable to all ships	to the lesser of					
	spec. heel angle	40 deg		40		
	first downflooding angle	n/a deg				
	angle of vanishing stability	112,7 deg				
	shall not be less than (>=)	5,1566 m.deg		35,1948	Pass	582,52
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40				Pass	
	from the greater of					
	spec. heel angle	30 deg		30		
	to the lesser of					
	spec. heel angle	40 deg		40		
A.749(18) Ch3 - Design criteria applicable to all ships	first downflooding angle	n/a deg				
	angle of vanishing stability	112,7 deg				
	shall not be less than (>=)	1,7189 m.deg		14,9449	Pass	769,45
	3.1.2.2: Max GZ at 30 or greater				Pass	
	in the range from the greater of					
A.749(18) Ch3 - Design criteria applicable to all ships	spec. heel angle	30 deg		30		
	to the lesser of					
	spec. heel angle	90 deg				
	angle of max. GZ	49,1 deg		49,1		
	shall not be less than (>=)	0,2 m		1,726	Pass	763
A.749(18) Ch3 - Design criteria applicable to all ships	Intermediate values					
	angle at which this GZ occurs	deg		49,1		
	3.1.2.3: Angle of maximum GZ				Pass	
	shall not be less than (>=)	25 deg		49,1	Pass	96,36
	3.1.2.4: Initial GMT				Pass	
A.749(18) Ch3 - Design criteria applicable to all ships	spec. heel angle	0 deg				
	shall not be less than (>=)	0,15 m		2,666	Pass	1677,33
	3.1.2.5: Passenger crowding: angle of equilibrium				Pass	
	Pass. crowding arm = nPass M / disp. D cos^n(phi)					
	number of passengers: nPass =	0				
A.749(18) Ch3 - Design criteria applicable to all ships	passenger mass: M =	0,075 tonne				
	distance from centre line: D =	0 m				
	cosine power: n =	0				
	shall not be greater than (<=)	10 deg		0,1	Pass	98,98
	Intermediate values					
A.749(18) Ch3 - Design criteria applicable to all ships	Heel arm amplitude	m		0		
	3.1.2.6: Turn: angle of equilibrium				Pass	
	Turn arm: a v^2 / (R g) h cos^n(phi)					
	constant: a =	0,9996				
	vessel speed: v =	0 kn				
A.749(18) Ch3 - Design criteria applicable to all ships	turn radius, R, as percentage of Lwl	510 %				
	h = KG - mean draft / 2	1,718 m				
	cosine power: n =	0				
	shall not be greater than (<=)	10 deg		0,1	Pass	98,98
	Intermediate values					
A.749(18) Ch3 - Design criteria applicable to all ships	Heel arm amplitude	m		0		
	3.2.2: Severe wind and rolling				Pass	
	Wind arm: a P A (h - H) / (g disp.) cos^n(phi)					
	constant: a =	0,99966				
	wind pressure: P =	504 Pa				
A.749(18) Ch3 - Design criteria applicable to all ships	area centroid height (from zero point): h =	6 m				
	additional area: A =	50 m^2				
	H = vert. centre of projected lat. u'water area	2,258 m				
	cosine power: n =	0				
	gust ratio	1,5				
A.749(18) Ch3 - Design criteria applicable to all ships	Area2 integrated to the lesser of					
	roll back angle from equilibrium (with steady heel arm)	25,0 (-24,2 deg		-24,2		
	Area 1 upper integration range, to the lesser of:					
	spec. heel angle	50 deg		50		
	first downflooding angle	n/a deg				
A.749(18) Ch3 - Design criteria applicable to all ships	angle of vanishing stability (with gust heel arm)	111,4 deg				
	Angle for GZ(max) in GZ ratio, the lesser of:					
	angle of max. GZ	49,1 deg		49,1		
	Select required angle for angle of steady heel ratio:	DeckEdgeImmersionAngle				
	Criteria:				Pass	
A.749(18) Ch3 - Design criteria applicable to all ships	Angle of steady heel shall not be greater than (<=)	16 deg		0,8	Pass	95,13
	Angle of steady heel	80 %		2,31	Pass	97,11
	Area1 / Area2 shall not be less than (>=)	100 %		340,1	Pass	240,1
	Intermediate values					
	Model windage area	m^2		333,48		
A.749(18) Ch3 - Design criteria applicable to all ships	Model windage area centroid height (from zero point)	m		5,995		
	Total windage area	m^2		383,48		
	Total windage area centroid height (from zero point)	m		5,996		
	Heel arm amplitude	m		0,031		
	Equilibrium angle with steady heel arm	deg		0,8		
A.749(18) Ch3 - Design criteria applicable to all ships	Equilibrium angle with gust heel arm	deg		1,1		
	Deck edge immersion angle	deg		33,8		
	Area1 (under GZ), from 1,1 to 50,0 deg.	m.deg		52,1746		
	Area1 (under HA), from 1,1 to 50,0 deg.	m.deg		2,2899		
	Area1, from 1,1 to 50,0 deg.	m.deg		49,8847		
A.749(18) Ch3 - Design criteria applicable to all ships	Area2 (under GZ), from -24,2 to 1,1 deg.	m.deg		-13,4808		
	Area2 (under HA), from -24,2 to 1,1 deg.	m.deg		1,187		
	Area2, from -24,2 to 1,1 deg.	m.deg		14,6678		



Holtrop = 3999,014 kW Speed = 18,007 kn



Holtrop = 280,564 kN Speed = 18,007 kn



hull_drag_cont
Volume fraction (water_ph)

