ALBATROSS
MARINE DESIGN

BOAR12

PRESENTATION BOOK

B12 MULTIPURPOSE SPECIAL CRAFT

ALBATROSS
MARINE DESIGN

PALETTE OF BOAT STYLES

MAIN PARTICULARS

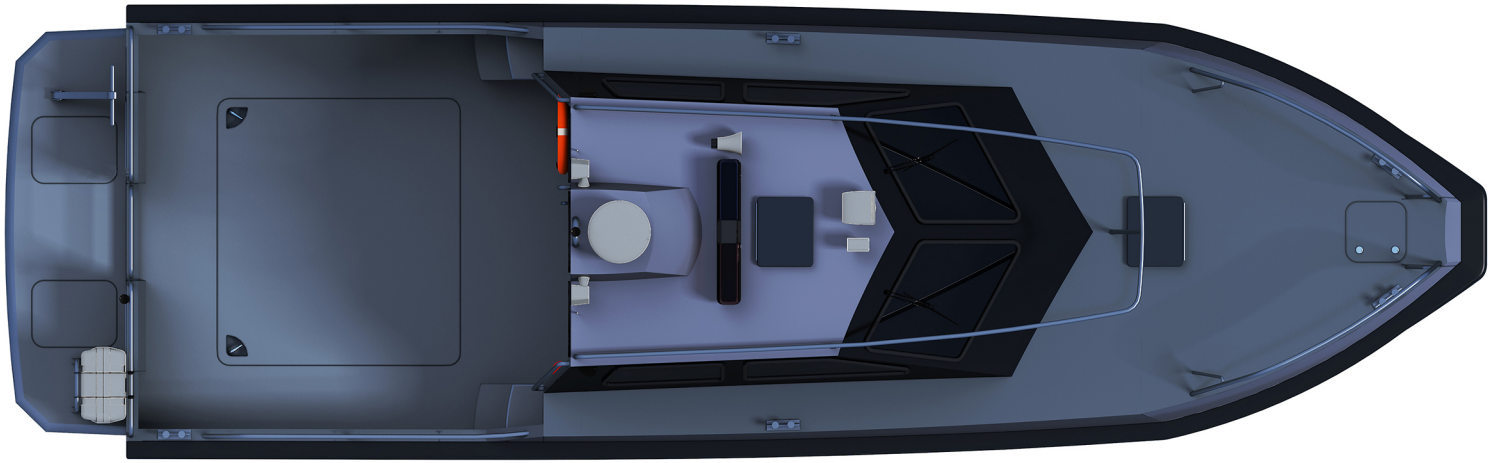
Parameter	Symbol	Units	Value
Length			
maximum length	L_{MAX}	m	12.22
length of hull	L_H	m	11.00
length of waterline (at DWL)	L_{WL}	m	10.13
Beam			
maximum beam	B_{MAX}	m	3.75
beam of hull	B_H	m	3.45
beam at waterline (at DWL)	B_{WL}	m	3.40
beam of chine	B_C	m	3.35
Depth			
maximum depth	D_{MAX}	m	2.22
midship depth	$D_{LWL/2}$	m	2.22
Freeboard			
freeboard forward (at DWL)	F_F	m	1.20
freeboard midship (at DWL)	F_M	m	1.52
freeboard aft (at DWL)	F_A	m	0.98
Draught			
canoe body draught (DWL)	T_C	m	0.70
maximum draught (DWL)	T_{MAX}	m	0.70
Height			
air draught (at LC)	H_A	m	3.56
Displacement			
volume displacement (DWL)	V_D	m^3	12.417
light craft condition mass (LC)	m_{LC}	kg	7000
minimum operation condition mass (MO)	m_{MO}	kg	7240
loaded craft displacement (LDC)	m_{LDC}	kg	12750
maximum load	m_L	kg	5750
immersion (at DWL)		kg/cm	302.1

Engine			
number of engines			2
power engine		HP	300...500
Performance*			
maximum design speed (MOC condition)		kts	36...45
maximum design speed (LDC condition)		kts	30...35
recommended cruising speed		kts	20...25
Tankage			
fuel		L	700...1000
water		L	200
waste		L	120
Passengers/Crew			
passengers/crew			20/2
Coefficients and parameters**			
block coefficient	CB	-	0.514
midship section area coefficient	CM	-	0.668
waterplane area coefficient	CWP	-	0.853
prismatic coefficient	CP	-	0.769
longitudinal center of buoyancy	LCB/L_{WL}	-	0.398
length to displacement ratio	$L_{WL}/V_D^{1/3}$	-	4.375
displacement to length ratio	DLR	-	340.83
static load factor	$C\Delta$	-	0.330
deadrise midships	β_M	degrees	15
deadrise at transom	β_{TR}	degrees	14
Certification			
Standards compliance/Classification			GL+100A5 III PATROL BOAT

* - estimated speed

** - corresponds to DWL

All measurements according to ISO8666



B12: INTERCEPTOR

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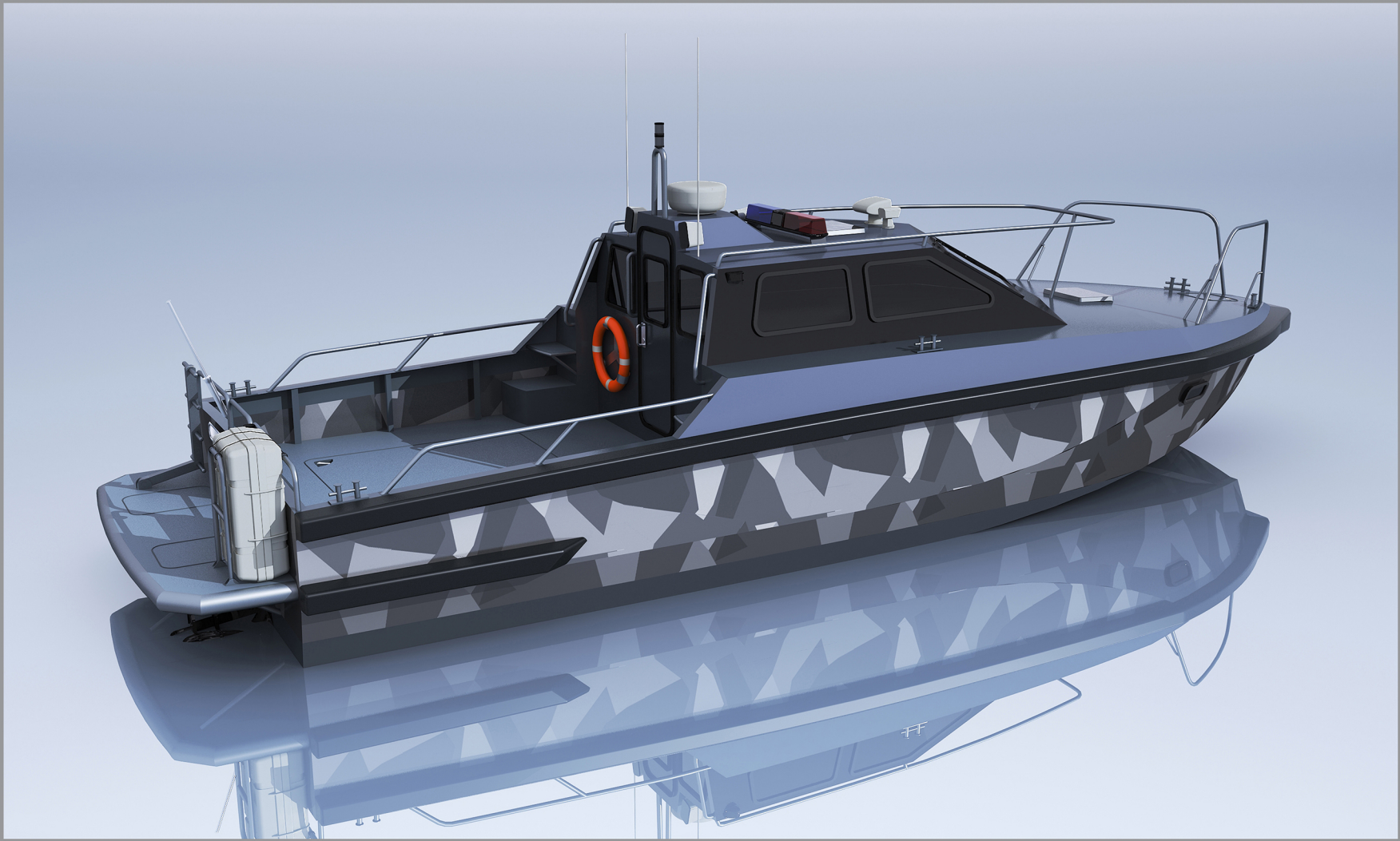

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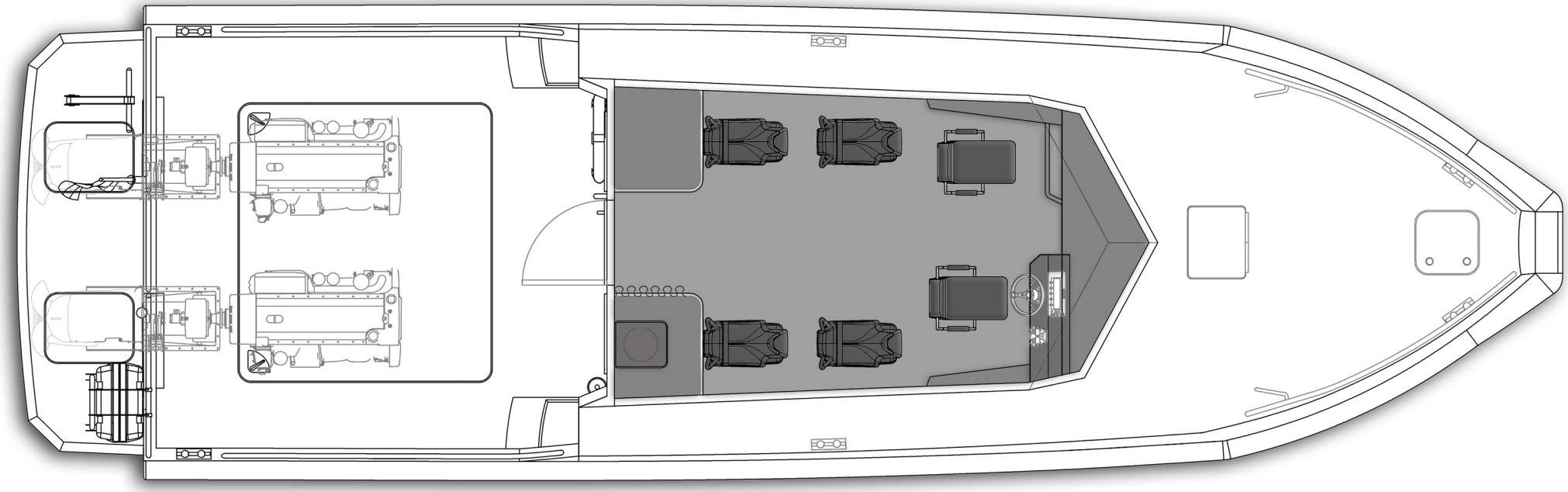

B12: INTERCEPTOR

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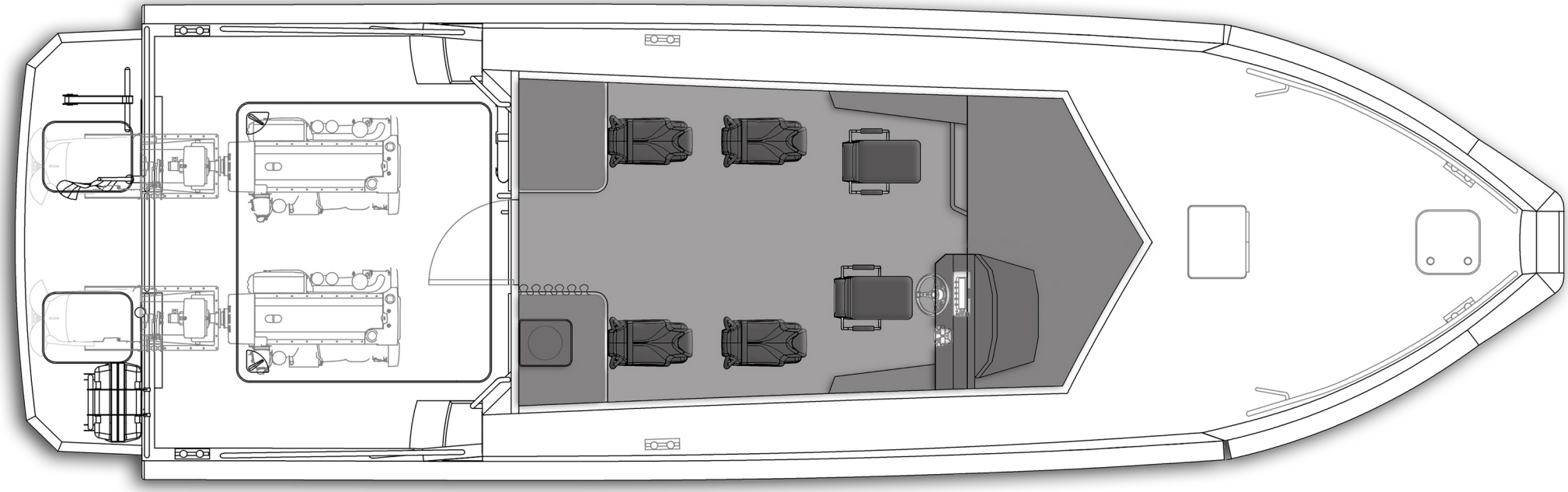

B12: COMBAT

B12: LANDING

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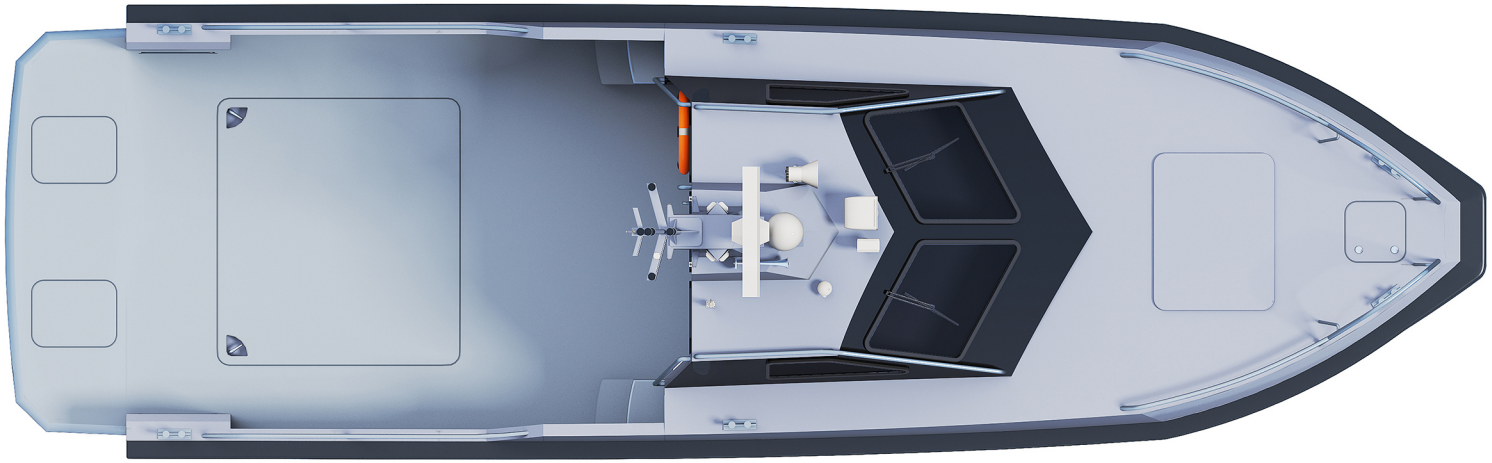
B12: *LANDING*



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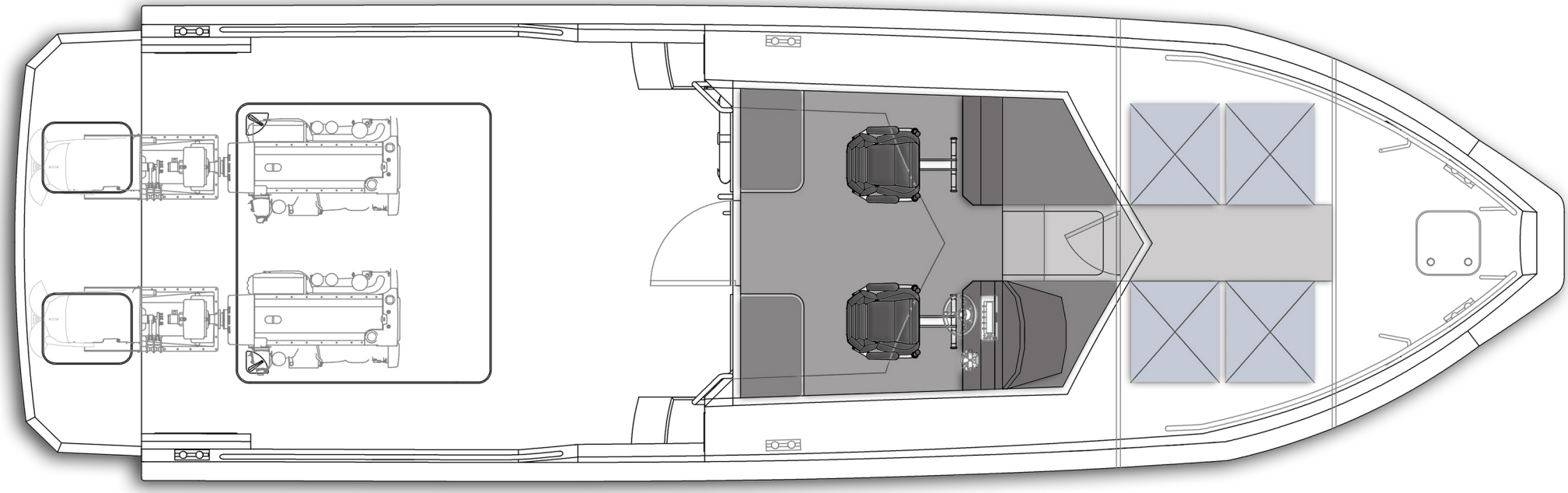

B12: USV

ALBATROSS
MARINE DESIGN

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Albatross Marine Design is leading Asian-based design office specialising in naval architecture and engineering of small and high speed craft for commercial, special and pleasure applications, with special expertise in design of catamarans and composite structures. Established in 2006, with in-house team of 14 specialists, about 85 different designs from AMD's drawing board are launched, many of them in series production. Design services certified by RS.

Certified by RS

Albatross Marine Design is certified by Russian Maritime Register of Shipping
Certificate No.12.04108.270 valid till 20.09.2016

Boat & Yacht Thailand CONFERENCE

Boat & Yacht Thailand Maritime Safety Improvement Award 2014