

## MV KHALIAN 35M SENTINEL [CREW & PATROL VESSEL]

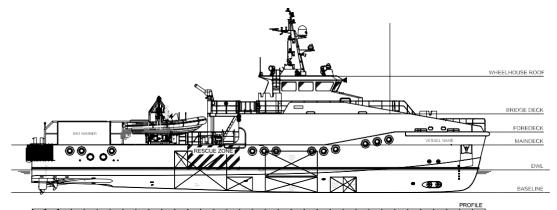
The 'MV Khalian', a Sentinel class, multi-purpose maritime vessel which sets a new standard in innovative design and protection, is fully compliant to the naval and oil and gas (O&G) industries operating on the waters of the African continent and beyond. It offers a platform optimised for peak coastal operation performance, mobility and security.

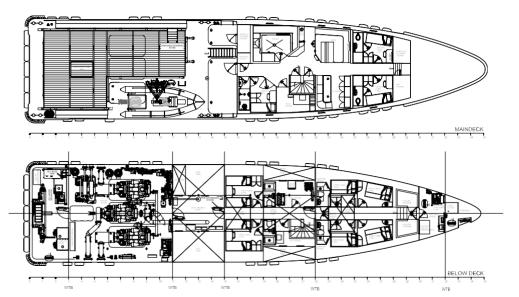
GENERAL		DIMENSIONS	
Hull material	Aluminium	Length overall	35.0 m
Superstructure material	Aluminium Deckhouse	Beam overall	7.5 m
	Composite Ballistic Wheelhouse	Draught max	2 m
Basic functions	Fast supply boat/Crew boat/Security/	Cargo deck area	11.0 x 6.0 m, 50 m2
	Search & Rescue	Deck load	2500kg/m2
Classification	Bureau Veritas I ∞ Hull • MACH	Deck cargo	20 ton, Accept 1 x 20ft iso container
	Light ship/Fast Patrol Vessel	Crew	10
	Sea Area 3	(Security) personnel	8
Regs, Codes, Guidelines	MARPOL, SOLAS, IMDG	GRT	230
SHIP SYSTEM		NRT	69
Fuel filtration	Alpha Laval fuel separator (Self Cleaning)	ACCOMMODATION	
Internal Fix fire fighting system	NOVEC system	Bridge deck	Wheelhouse
Air Conditioning	1 x Main Deck Accommodation and Wheelhouse,	Main deck	Officer cabins, galley & mess, sanitary &
	1 x Lower Deck Accommodation		Tech spaces
Engine room ventilation	3 x Donkin MJ X-2	Lower deck	Crew and Navy Cabins, Sanitary & Tech spaces
Fresh water maker	2 x Ecotech Hydro LTM -1000	Chiller	Walk in Chiller (Lower deck)
Dirty oil treatment System	Boss 2.2T/107	Freezer	Walk in Freezer (Lower deck)
Sewage treatment plant	Hamann HLCP0125	Laundry	1 each Washer and Dryer (Lower deck)
Fuel consumption monitoring system	Engine-i	VESSEL MONITORING AND MANAGEMENT SYSTEM	
Davit system for Rescue Boat	Palfinger 2.7t self launching davit	Engines and Generators	Praxis System
External FiFi system	FFS 0.5 Classed	Pumps and Motors	Praxis System
PERFORMANCES		Auxilliary systems	Praxis System
Speed Max	27kn	Navigation Lights	Praxis System
Range @ max speed	1007 Nm		

Anisotre composition of the composi	SECURITY		
Gun Mounts with Ballistic Shields1 x Forecstle - 2 x Side coverageArmoryMain deck Armory gun safeNight Vision CameraX1 (M364C) Flir Gyro StabilisedTANK CAPACITYFuel oil44 000 LFresh water19 000 LSewage4 000 LBilge water/ dirty oil1 000 LClean Lube oil800 LDirty Lube oil800LDECKAnchor equipmentHHP Type - 180kg - 110m chainAluminium fender on deck level, Heavy duty rubberFenderingFender transom corners and tyre fender at sidesPROPULSION SYSTEM3 x Caterpillar C32 ACERT, D-RatingMain engines3 x ZF 3050Propulsion3 X FPP 5 Blade with Rope CuttersBow thruster2 x Dutch Thruster GT-370	Ballistic Protection	Wheelhouse Composite Stanag II &	
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Bilge water/ dirty oil       1 000 L         Clean Lube oil       800 L         Dirty Lube oil       800L         DECK       Anchor equipment         Aluminium fender on deck level,         Heavy duty rubber         Fendering         Fender transom corners and tyre fender at sides         PROPULSION SYSTEM         Main engines       3 x Caterpillar C32 ACERT, D-Rating         Total Power       3 x 1193 KW@ 2300 rpm         Gearboxes       3 x ZF 3050         Propulsion       3 X FPP 5 Blade with Rope Cutters         Bow thruster       2 x Dutch Thruster GT-370	Fresh water	19 000 L	
Clean Lube oil       800 L         Dirty Lube oil       800 L         DECK       Anchor equipment         Aluminium fender on deck level,         Heavy duty rubber         Fendering         Fender transom corners and tyre fender at sides         PROPULSION SYSTEM         Main engines       3 x Caterpillar C32 ACERT, D-Rating         Total Power       3 x 1193 KW@ 2300 rpm         Gearboxes       3 x ZF 3050         Propulsion       3 X FPP 5 Blade with Rope Cutters         Bow thruster       2 x Dutch Thruster GT-370	Sewage	4 000 L	
Dirty Lube oil       800L         DECK       HHP Type - 180kg - 110m chain         Anchor equipment       HHP Type - 180kg - 110m chain         Aluminium fender on deck level,       Aluminium fender on deck level,         Heavy duty rubber       Heavy duty rubber         Fendering       Fender transom corners and tyre fender at sides         PROPULSION SYSTEM       3 x Caterpillar C32 ACERT, D-Rating         Total Power       3 x 1193 KW@ 2300 rpm         Gearboxes       3 x ZF 3050         Propulsion       3 X FPP 5 Blade with Rope Cutters         Bow thruster       2 x Dutch Thruster GT-370	Bilge water/ dirty oil	1 000 L	
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Propulsion     3 X FPP 5 Blade with Rope Cutters       Bow thruster     2 x Dutch Thruster GT-370	Total Power	3 x 1193 KW@ 2300 rpm	
Bow thruster   2 x Dutch Thruster GT-370	Gearboxes	3 x ZF 3050	
	Propulsion	3 X FPP 5 Blade with Rope Cutters	
ELECTRICAL	Bow thruster	2 x Dutch Thruster GT-370	
	ELECTRICAL		
Network 24V DC / 400V AC / 230V AC	Network	24V DC / 400V AC / 230V AC	
Generator Sets 2 x Caterpillar C4.4 DITA 107 KVA @ 1500 rpm	Generator Sets	2 x Caterpillar C4.4 DITA 107 KVA @ 1500 rpm	
86 ekw		86 ekw	
Electrolysis System ICAF Corrosion system 410376	Electrolysis System	ICAF Corrosion system 410376	

NAUTICAL AND COMMUNICATION EQ	UIPMENT	
Searchlight	3 x DEN HAAN Remote Controlled	
Radar	2 x (X-band) FURUNO - Touch Screen	
Electronic chart plotter	1 x (Non-ECDIS) FURUNO	
GPS	2 x (GP-33) FURUNO	
AIS	2 x JOTRON	
Compass	1 x Magnetic Ritchie, 1 X GPS (SC- 707) FURUNO	
Autopilot	1 x (NT777) JOTRON	
Echo sounder	1 x FURUNO	
Navtex	1 x (NX700b) FURUNO with Printer	
External communication	1 x - LRAD Loud Hailer (600+m range)	
Weather Station	1 x (SS60DT) Airmar	
HF/MF	1 x (6301) SAILOR	
Internet	1 x FBB 500 SAILOR	
BNWAS	1 x (BR 510) FURUNO	
SSAS	1 x (6120) SAILOR	
VHF	1 x (6222) SAILOR	
EPIRB	1 x Tron 605	
Satphone	1 x Cobham	
Vessel PC Workstation	1 x HP I3	
LSA AND FFA		
Life rafts	2 x 20 person liferafts	
Smother system	NOVEC suppression system	
Rescue boat	1 X GRP semi rigid 6.5m	
	(37kn max speed) on Davit	
Rescue zone markings	Port side above water line	
Fire alarm system	FireBoy Marine safety system	
Pilot Ladder	2 x (4m ladders)	

## 35M SENTINEL [CREW & PATROL VESSEL]





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