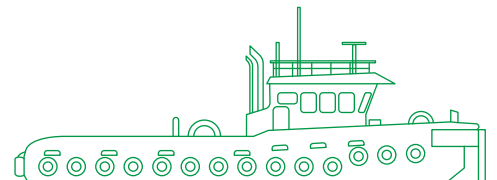




Mubarak 241 Harbour tug

At over 24 m in length, this highly manoeuvrable harbour tug is powered by two Weichai marine diesel engine with an output of 1000 bhp, and has accommodation for a crew of seven.



Registration

Year of build	2024
Port of registry	Abu Dhabi
Flag	UAE
Official number/call sign	TBA
Class	Bureau Veritas
Class notation	I HULL, MACH, tug, coastal area
Builder	Dubai Shipbuilding & Engineering LLC
Operator	Mubarak Marine LLC

Dimensions

Length overall	24.6 m
Breadth moulded	8.5 m
Depth moulded	4 m
Draft	2.6 m

Machinery/propulsion

Main engines	2x Weichai 8170ZC1000-5
Horsepower	1000 hp (735kw) @ 1500 rpm
Main generator	3x Weichai CCFJ75J-W, 90kw @ 1500 rpm
Steering gear	Twin rudder - electro-hydraulic power steering system
Propellers	2x fixed pitch machine finished high skewed kaplan propeller

Performance

Speed	11.8 knots
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Capacities

Fuel oil	78 m ³
Fresh water	23.5 m ³
Hydraulic oil	0.70 m ³
Waste water	0.90 m ³

Pump capacities

Bilge	15 m ³ /hr @ 35 m head
Fire main	22 m ³ /hr @ 35 m head
Fuel oil	8 m ³ /hr @ 33 m head
Discharge	2.5 m ³ /hr @ 30 m head
Winches HPU SW cooling pump	2.5 m ³ /hr @ 30 m head
A/C sea water cooling pump	48 m ³ /hr @ 30 m head
Hand pump	3.9 m ³ /hr @ 20 m head (chain locker), 6.3 m ³ /hr @ 20 m head (fuel oil emergency transfer)

Clear deck area

Deck area	50 m ²
Deck strength	2.5 t/m ²

Deck equipment

Towing winch	27 t @ >6 m/min
Anchor handling winch	27 t @ >3 m/min
Towing hook	50 t
Anchor windlass	Electro-hydraulic perated double gypsies with mooring drum
Mooring drum	150 m x 75 mm diameter PP rope
Chain stopper	Stainless steel SUS316
Tugger winch	5 t @ 15 m/min
Hydraulic power unit	2x 30kw electric motor driven hydraulic oil pump with oil reservoir and heat exchanger
Deck crane	OUCO - KB5T7.5M, knuckle boom crane, 5 t @ 7.5 m

Safety equipment

Life rafts	1x 7 persons
Life buoys	4x fitted with retro-reflective tape
Life jackets	9 nos
Pyrotechnics	1 set
First aid kit	1 no
Fire main	1x fire main pump, 22 m ³ /hr @ 35 m head, 3x hydrants with 15 m- 20 m fire hose with jet/ spray type nozzle, 1x international shore connection
Fire extinguisher	3x 5 kg powder, 3x 5 kg CO ₂ , 3x 9 L foam
CO ₂ fixed fire fighting system	4x 45 kg CO ₂ bottles, 2x remote released station, 1 set CO ₂ nozzles, CO ₂ alarm with horn and lamp

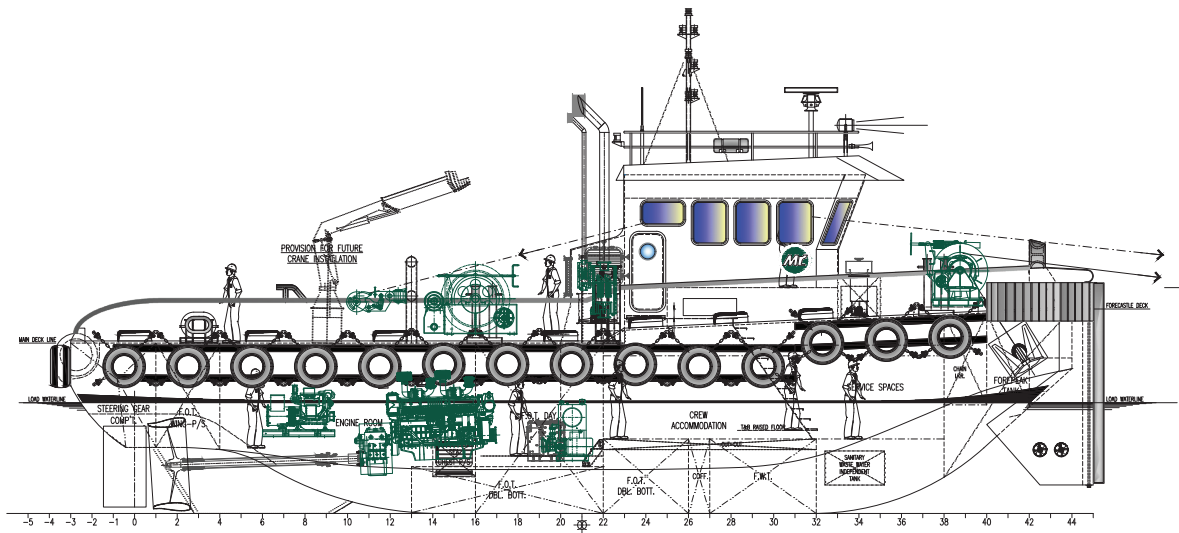
Accommodation

Captain's room	1 no
4-crew cabin	1 no
2-crew cabin	1 no
Total	7 persons

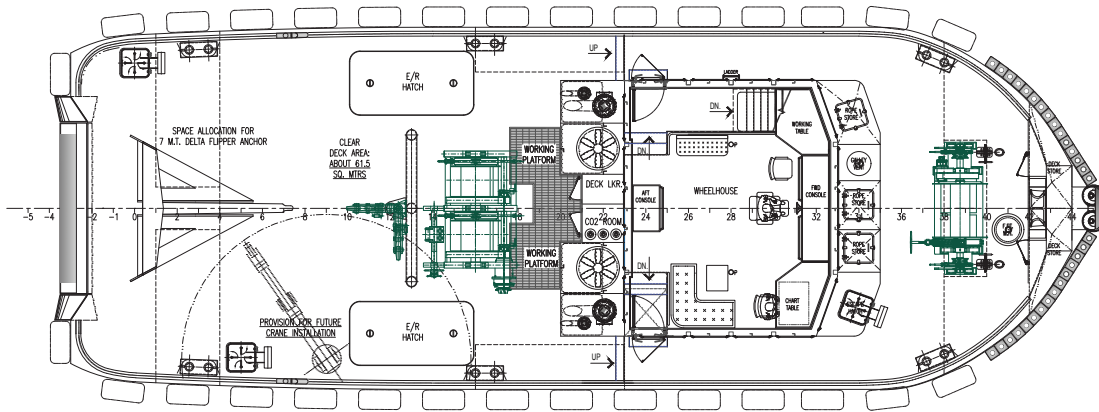
Navigation/communication equipment

Magnetic compass	Autonatic/CHE-0073 deck mounted
GPS navigator	NSR/NGR 3000
Search light	TG27-A
BNWAS	NSR/NBW 1000
Eco sounder	HONDEX/HE 881
Auto pilot	SAURA/SA 10
Radar chart plotter	SIMRAD/R2009
SART	NSR/NRT-1000
Navtex	NSR/NVX-3000
Navtex printer	NSR/NPT100
VHF	SAMYUNGENC/STR-6000A
AIS	NSR/NSI-1000
Radar	SIMRAD/HALO 24
Radar display	SIMRAD/NSS12 EVO3S
Talk back system	ZENITEL/P-3100
Navigation lights	SIMRAD/R2009

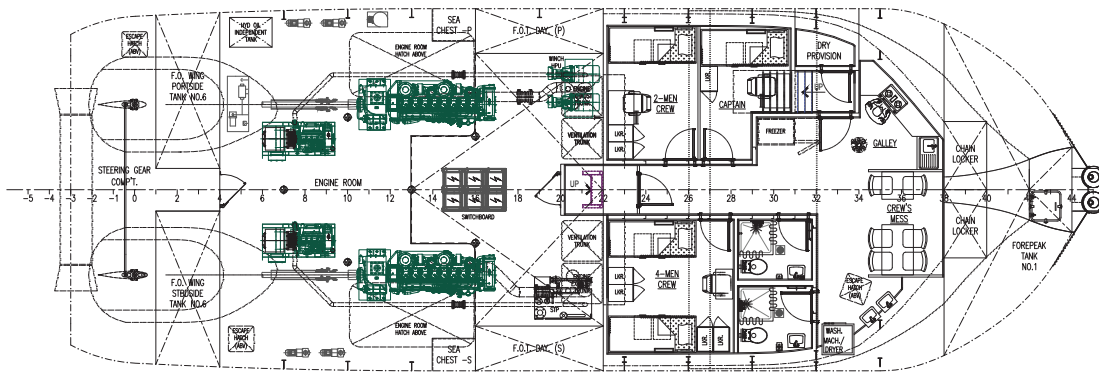




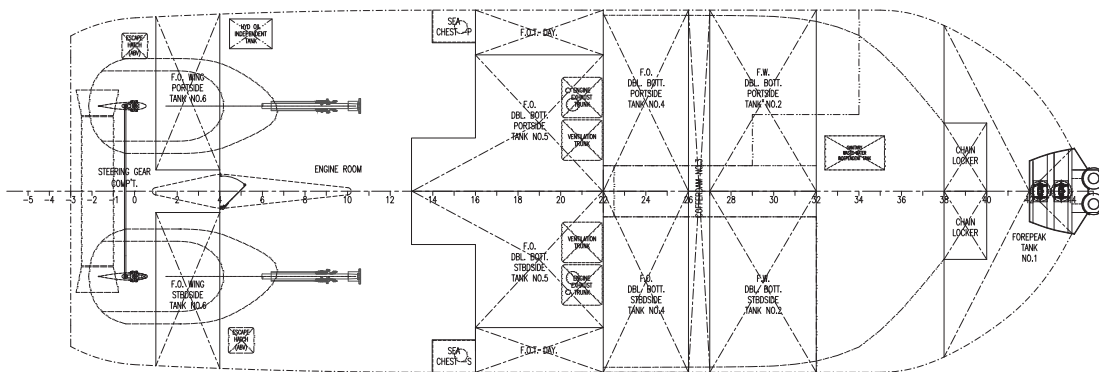
Outboard profile



Main deck plan



Below main deck plan



Tank plan

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