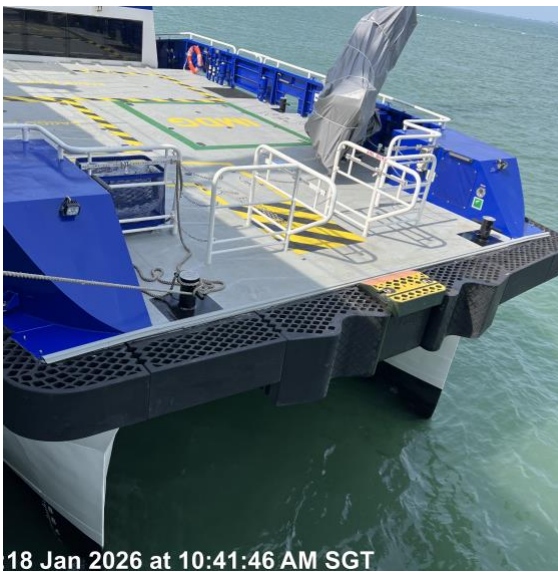




Windflex 27 Quad IPS (Series 2)



24 Passenger Crew Transfer Vessel

Key Specifications:

27m length, 9m beam, 1.4m draft - BV Classed - UK Flag - GT/NT 99

85m² foredeck - 20 MT cargo capacity

Container fixing for 3x10ft / 1x20ft

Palfinger Crane

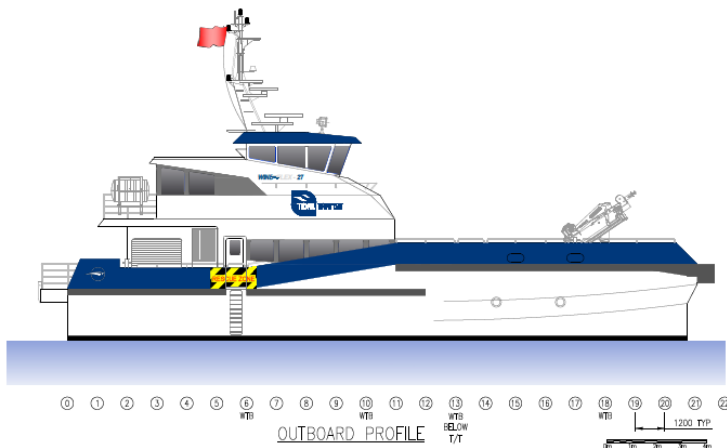
Quad Volvo D13 & IPS900 providing enhanced manoeuvrability, fuel efficiency and quad redundancy

Impact adsorption with Buoyant Works bow fendering

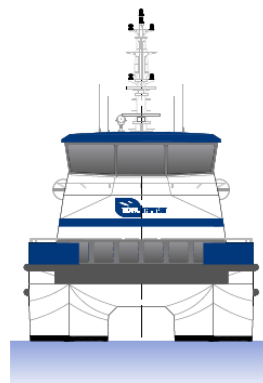
Max Speed of 27kn and 17 tons of bollard push

Marfle VMMS and remote monitoring

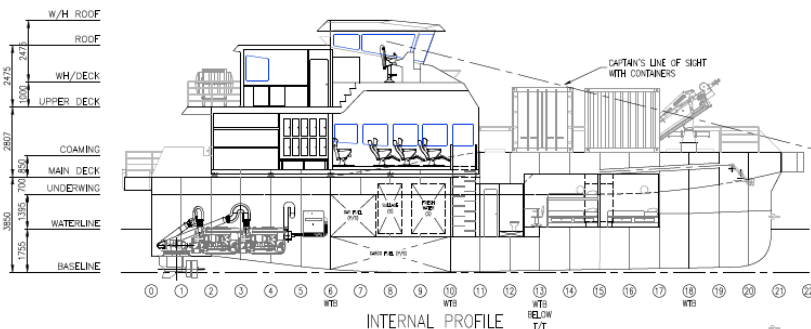
Available in UK/EU from Feb/March 2026



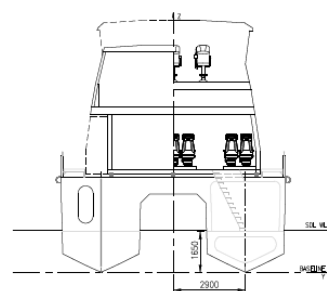
OUTBOARD PROFILE



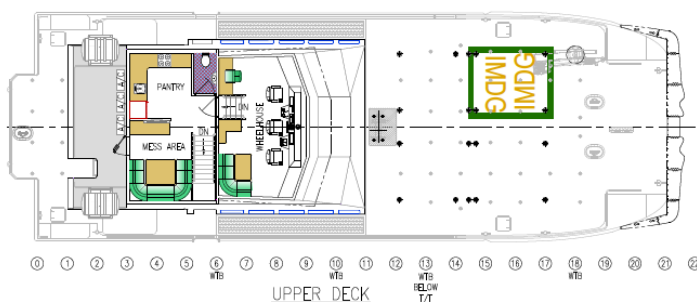
BOW VIEW



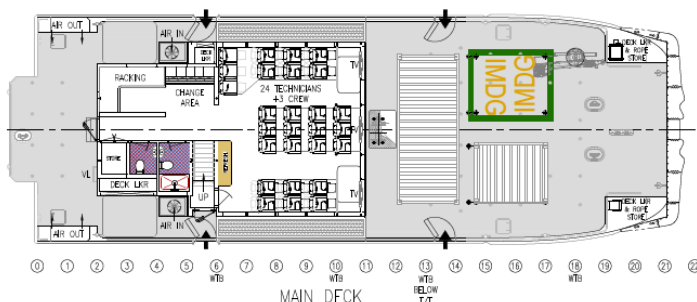
INTERNAL PROFILE



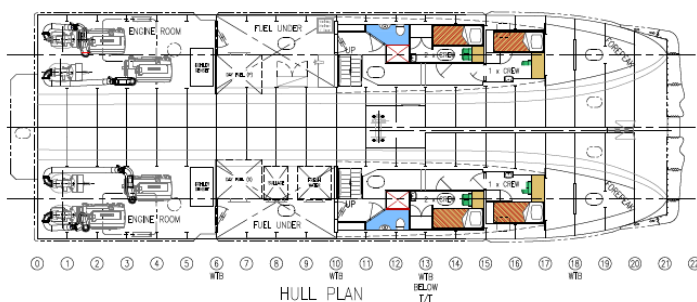
TYPICAL SECTION



UPPER DECK



MAIN DECK



HULL PLAN

SPECIFICATIONS

OVERALL LENGTH (EXCL APPENDAGES):	25.4m
WATERLINE LENGTH:	24.9m
LOAD LINE LENGTH:	23.9m
BEAM (NOT INCLUDING SPONSONS):	9.0m
DRAFT (HULL):	1.72m
TECHNICIANS:	24
CREW:	6
CONSTRUCTION:	ALUMINUM
HULL:	ALUMINUM
SUPERSTRUCTURE:	2 x 13,000 I
FUEL OIL:	2 x 4,750 I
UREA:	2 x 120 I
FRESH WATER:	1 x 3,500 I
SULLAGE:	1 x 2,500 I
MAX DEADWEIGHT:	50t
MAIN ENGINES:	4 x VOLVO D13
RATED POWER:	4 x 515kW @ 2300 RPM
PROPULSION:	4 x VOLVO IPS 30
EMISSIONS:	TWO TIER II
GENSETS:	2 x 51KW KOHLER (55EP0204)



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PROJECT TITLE	27M CATAMARAN WINDFLEX 27 V2 - IPS
DOCUMENT TITLE	GENERAL ARRANGEMENT - TIDAL TRANSIT
PROJECT NO.	IC24141
DOCUMENT NO.	011-111-03
SHEET	1 OF 1
SCALE	1:100 (U.N.O.)
FILE REV.	A
PAPER	A1
DIMENSIONS IN MILLIMETRES UNLESS NOTED	DO NOT SCALE

A	UPDATED AS PER SHIPYARD MODIFICATIONS	J.R.	J.W.L.	18DEC25
REV.	REVISION DESCRIPTION	PREP.	CHECK.	REV. DATE

Vessel Name	Emilia Rose		
Owner	Tidal Transit Ltd	Deck & Equipment	
Operator	Tidal Transit Ltd	Cargo Capacity (t)	20
Callsign	MTBK6	Cargo Capacity Fore (t)	15
MMSI Number	232064738	Cargo Capacity Aft (t)	5
Registration Number	310899	Specific Deck Load (t/m2)	2
Construction Country	Indonesia	Crane Specification	Palfinger PK13001MB
Shipyard	Penguin Shipyard Asia PTE LTD	Crane Location	Port Foredeck
Main Particulars		Crane Radius (m)	10
Flag	UK	Crane Reach Over Ship Side (m)	9
Hull Type	CAT	Free Deck Space Aft (m2)	20
Hull Material	Aluminium	Free Deck Space Fwd (m2)	85
Classification	Bureau Veritas I + Hull • Mach Wind Farm Service Ship - M0 - Sea Area 3	Fuel Transfer Pump	yes
Number of Crew	Min 3	Fuel Transfer Capacity (l/h)	40
Number of PAX	24	Fuel Transfer Height (m)	40
LOA (m)	27.1	HP Washer	Yes
Beam (m)	9	HP Washer Hose Length (m)	39
Design Draft (m)	1.4	Oily Bilge Discharge Connection	No - Manual
Max. Draft (m)	1.65	Sewage Discharge Connection	Yes
Min. Water Depth for Operation (m)	1.8	Container Position	Yes
Bow Height (m)	3.5	Container Pos. 10'	3
Freeboard height at gangway (m)	2.5	Contanier Pos. 20'	1
Lightship Displacement (t)	93	Safety Equipment	
Max Deadweight Displacement (t)	50/60	Liferafts Position	Above side deck
Fresh Water Capacity (l)	3500	Liferafts Persons accomodated	2x35
Fuel Capacity (l)	35500	Immersion suits no.	4+passengers own
Gross Tonnage	99	Thermal protective aids no.	30
Operational Particulars		Life jackets no.	30
Bollard Push (t)	17	Man Over Board Equipment	SB Rescue Sling
Service Speed (kn)	25	Search Lights no.	1
Service Speed at 1.5Hs (kn)	22	Search Lights remote	0
Max Speed (kn)	26.5	Search Lights portable	0
Max Speed at 1.5Hs (kn)	24	Defibrillator	1
Max. Significant Wave Height for Operation (m)	2	Navigation & Comms	
Hs Performance 360 deg (m)	1.75	Crewfinder system corresponding to PLBs used on site	Sea Marshall
Machinery		GPS	Simrad P3007
Engine type and manufacturer	Volvo Penta D13 (tier II)	Communication system between helmsman and deck crew	Yes
Number of engines	4	Radar Reflector	Yes
Total Installed Power (kW)	2060	AIS class A	Simrad V5035
Fuel Consumption at 20kn (l/h)	309 (before Ecomotus)	Rudder Angle Indicator	n/a
Fuel Consumption at max speed (l/h)	544 (before Ecomotus)	Radar with plotting function	Simrad R5024 12U / 6 HSC
Fuel Consumption at service speed (l/h)	442 (before Ecomotus)	Echo sounding device	Simrad S3009
Gearbox Manufacturer	Volvo	Gyro or satellite compass	Simrad P3007 w HS80A
Propulsion Type	IPS	GMDSS radio equipment	Sea Area A2
Propulsion Description	IPS 30	Handheld VHF for deck personnel	Sailor
Bow Thruster (nos.)	n/a	Emergency Position Indicating Radio Beacon (EPIRB)	McMurdo R5
Bow Thruster Power (kW/pcs.)	n/a	Search and Rescue Transponder (SART)	McMurdo E8
Accommodation		Firefighting Appliances	
Mess / Pantry	Yes	Approved FIFI Systems in ER	Yes
Toilet	2	Portable Extinguishers	Yes
Shower	0	Fire Pumps	Yes
Wet changing room	Yes	Fire Hoses	Yes
HVAC	Yes	Additional Features	
Noise in Pass Area (dB)	<70	CCTV monitoring and recording of ops.	Yes
Noise in Wheelhouse (dB)	<65	Vessel Motion Monitoring System	Marfle
Seating No.	24		
Seating Type	Business Class		



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