



Tia Elizabeth

Specification Sheet



20x8m Crew Transfer Vessel

Key Specifications:

Transit & Transfer capable in 1.75m Hs

Cruising speed of up to 25 knots

360 litres per hour at 20 knots

Suspension seats for 12 passengers

Full commercial galley

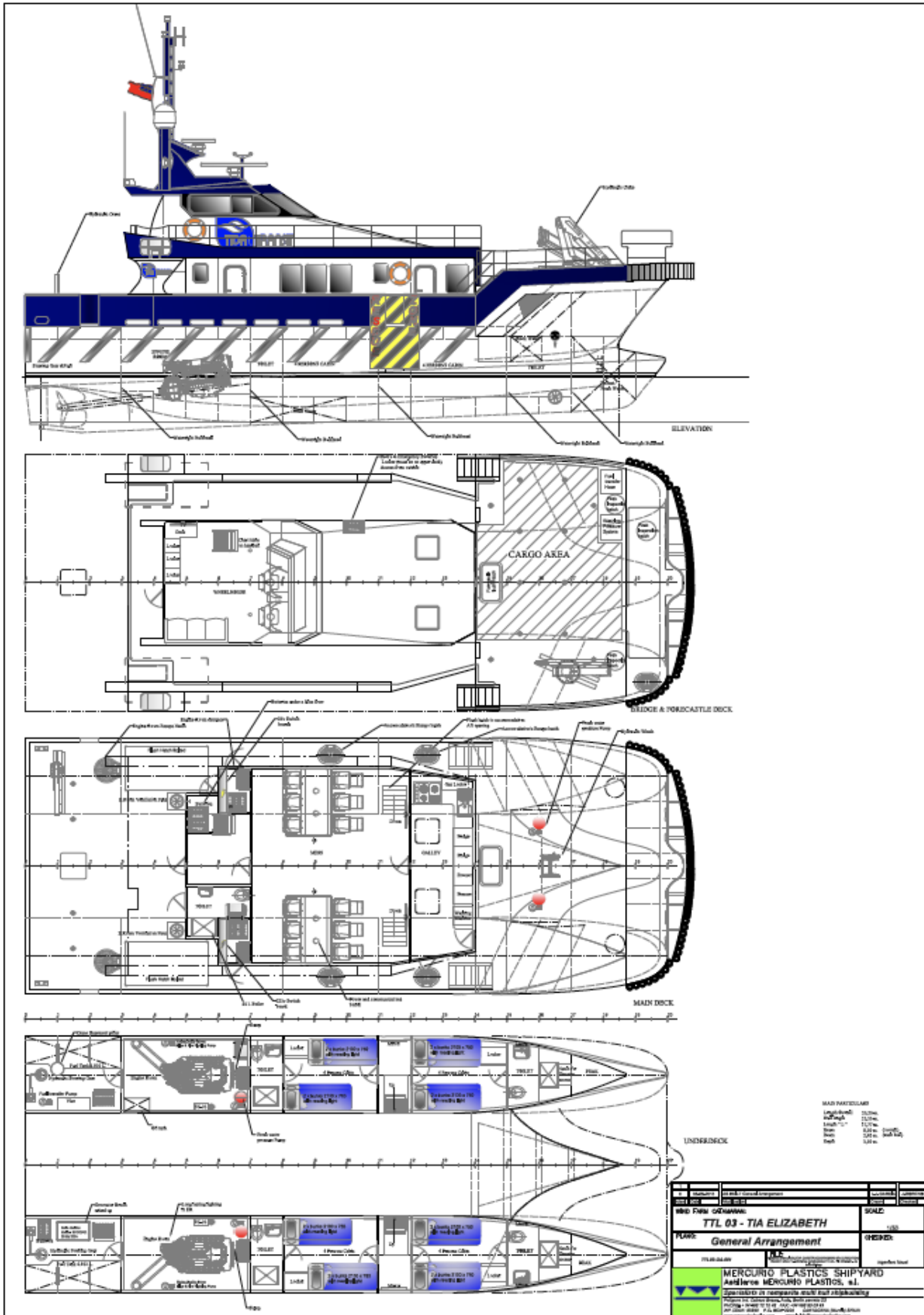
12hr Crewing – Min 3 (Master, Mate, Deckhand)

24hr Crewing – Min 4 (2 x Master, 2 x Mate)

10 ton / 1.5t per m² cargo capacity

Built in 2013 - Spain

Tia Elizabeth – 20 x 8m Crew Transfer Vessel



| Vessel Name | | Tia Elizabeth | |
|--|--|--|--------------------|
| Owner | Tidal Transit Ltd | Deck & Equipment | |
| Operator | Tidal Transit Ltd | Cargo Capacity (t) | 10 |
| Callsign | 2GLJ2 | Cargo Capacity Fore (t) | 5 |
| MMSI Number | 235098384 | Cargo Capacity Aft (t) | 5 |
| Registration Number | 919427 | Specific Deck Load (t/m2) | 1.5 |
| Construction Country | ES | Crane Specification | Guerra M75.90AJ3 |
| Shipyard | Mercurio Group | Crane Location | Starboard Foredeck |
| Main Particulars | | Crane Radius (m) | 8.5m |
| Flag | UK | Crane Reach Over Ship Side (m) | 7m |
| Hull Type | CAT | Free Deck Space Aft (m2) | 20 |
| Hull Material | GRP | Free Deck Space Fwd (m2) | 25 |
| Classification | MCA Cat 1 | Fuel Transfer Pump | Yes |
| Number of Crew | Min 2 Max 4 | Fuel Transfer Capacity (l/h) | 40 |
| Number of PAX | 12 | Fuel Transfer Height (m) | 40 |
| LOA (m) | 20.3 | HP Washer | Yes |
| Beam (m) | 8 | HP Washer Hose Length (m) | TBC |
| Design Draft (m) | 1.7 | Oily Bilge Discharge Connection | No - Manual |
| Max. Draft (m) | 2 | Sewage Discharge Connection | Yes |
| Min. Water Depth for Operation (m) | 1.8 | Container Position | No |
| Bow Height (m) | 3.5 | Container Pos. 10' | No |
| Freeboard height at gangway (m) | 1.5 | Container Pos. 20' | No |
| Lightship Displacement (t) | 58.17 | Safety Equipment | |
| Max Deadweight Displacement (t) | 31.6 | Liferafts Position | Above aft deck |
| Fresh Water Capacity (l) | 3000 | Liferafts Persons accomodated | 2x16 |
| Fuel Capacity (l) | 9000 | Immersion suits no. | 4+passengers own |
| Gross Tonnage | 52.13 | Thermal protective aids no. | 18 |
| Operational Particulars | | Life jackets no. | 18 |
| Bollard Push (t) | 8.5 | Man Over Board Equipment | SB Rescue Sling |
| Service Speed (kn) | 22 | Search Lights no. | 1 |
| Service Speed at 1.5Hs (kn) | 22 | Search Lights remote | 0 |
| Max Speed (kn) | 25 | Search Lights portable | 1 |
| Max Speed at 1.5Hs (kn) | 23 | Defibrilator | 1 |
| Max. Significant Wave Height for Operation (m) | 1.75+ | Navigation & Comms | |
| Hs Performance 360 deg (m) | 1.5 | Crewfinder system corresponding to PLBs used on site | Sea Marshall |
| Machinery | | GPS | Koden |
| Engine type and manufacturer | MAN V12 d2862LE422 1800hp derated to 1200hp | Communication system between helmsman and deck crew | Yes |
| Number of engines | 2 | Radar Reflector | Yes |
| Total Installed Power (kW) | 1800 | AIS class A | Yes |
| Fuel Consumption at 20kn (l/h) | 350 | Rudder Angle Indicator | Yes |
| Fuel Consumption at max speed (l/h) | 420 | Radar with plotting function | Koden |
| Fuel Consumption at service speed (l/h) | 375 | Echo sounding device | Koden |
| Gearbox Manufacturer | ZF | Gyro or satellite compass | Yes |
| Propulsion Type | Fixed Pitch Propellers | GMDSS radio equipment | Icom |
| Propulsion Description | Fixed Pitch Propellers | Handheld VHF for deck personnel | Yes |
| Bow Thruster (nos.) | 2 | Emergency Position Indicating Radio Beacon (EPIRB) | Yes |
| Bow Thruster Power (kW/pcs.) | 25 | Search and Rescue Transponder (SART) | Yes |
| Accomodation | | Firefighting Appliances | |
| Mess / Pantry | Yes | Approved FIFI Systems in ER | Yes |
| Toilet | 5 | Portable Extinguishers | Yes |
| Shower | 5 | 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 | Optional |
| Seating No. | 12 | | |
| Seating Type | Suspension | | |



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