



# FCS Vega

*Hybrid Powered*

Shallow Draft Light  
Construction and  
Aquaculture Vessel



Navigantium





The FCS Vega is a converted mini-PSV to a modern service vessel for the offshore and aquaculture industres. She was originally a 44 m long supply ship built in 2002, undergoing complete modernisation and renewal in 2020 with new fittings, electronics and equipment.

The very latest SHM deck equipment was mounted on deck, making the FCS Vega a flexible, state-of-the-art service vessel well suited for both aquaculture operations and light offshore operations.

In addition, the vessel has renewed all machinery spaces with new engines, new main switch board and electronics. A new battery package of 337 kWh has been installed. This enables the vessel to work on site for up to 2 hours without any emission to air. The fuel consumption is especially low and close to the smaller 15 m service vessels in the industry today.

The multi-purpose functionality is expanded with a complete salmon delousing system built for fast and easy mob/demob with twistlock fixing to deck. On short notice the vessel changes from service to treatment mode.

|                   |                                        |
|-------------------|----------------------------------------|
| Operator          | FISH CARE SOLUTIONS AS                 |
| Built             | 2002(Rebuilt 2020)                     |
| Builder           | Bollinger Machine Shop & Shipyard Inc. |
| Call Sign         | LEZI                                   |
| Flag              | Norwegian                              |
| Port of Registry  | Brønnøysund                            |
| IMO No.           | 9267273                                |
| Outline of Vessel | Special Service – Utility boat         |
| Classifaction     | BV                                     |
| LOA               | 44m                                    |
| Breadth Molded    | 11.0m                                  |
| Deck Load         | 200t                                   |
| Deck Area         | 180m2                                  |
| Summer Draft      | 3.5m                                   |
| Minimum Draft     | 2.8m                                   |
| Bollard Pull      | 12.6t                                  |

|                      |                                   |
|----------------------|-----------------------------------|
| Main Engines         | 2 × Volvo Penta D13, 500 BHP each |
| Auxiliaries          | 2 × Volvo Penta D13 Gen sets      |
|                      | 335 kW, 480 V / 60 Hz             |
|                      | 1 x ScaniaNogva D116 090M 640 kW  |
|                      | 440 V / 60 Hz                     |
| Brake Horsepower     | 1000 BHP                          |
| Reduction Gear       | 2 × ZF gear                       |
| Battery Package      | 337 kWh                           |
| Propellers           | 2 × 72 x 58                       |
| Rudders              | 2 × Spade Independent             |
| Hydraulic Power Unit | 3 × 64 kW                         |
| Bow thrusters        | A272 kW Electrical Tunnel         |
| Stern thrusters      | 280 kW Hydraulic Tunnel           |

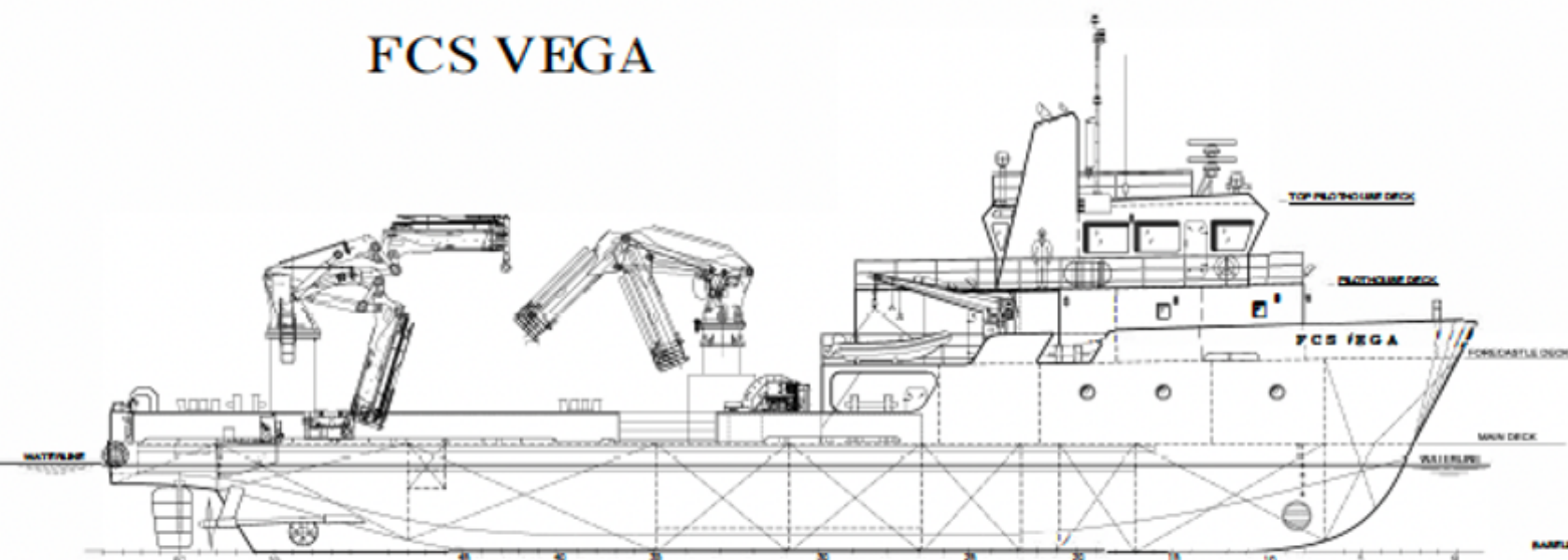
|                                |                                            |
|--------------------------------|--------------------------------------------|
| Mooring Lock                   | 1 × SWL 25 t                               |
| Deck Crane Fwd                 | 1 × Effer 125tm, 20,9m arm, 2,9t zone A    |
| Deck Crane Aft                 | 1 × Effer 175tm, , 21,4m arm, 5,15t zone A |
| Anchor handling & towing winch | Capacity 1670 m, 64 mm rope, brake 101 t   |
| Capstans                       | SB: 2 × SWL 2 t                            |
|                                | PS: 2 × SWL 2 t                            |
| Stern roller                   | 1 × SWL 65 t                               |
| Chain Lock / Shark Jaw         | SWL 50 t, chain 16–42 mm                   |
| SHM T-Lock Port Side           | SWL 20 t                                   |
| Towing pins SB                 | SWL 15 t                                   |
| Seawater pump                  | 1000 m³/hr                                 |
| Fuel Transfer                  | MGO pump on deck                           |

|                        |                                                                |
|------------------------|----------------------------------------------------------------|
| Total number of berths | 10 beds                                                        |
| Total number of cabins | 8 cabins with ind shower/wc                                    |
| Single cabins          | 6 cabins                                                       |
| Double cabins          | 2 cabins                                                       |
| Other                  | Laundry, changing room, dirty mess, WC, workshop / deck stores |

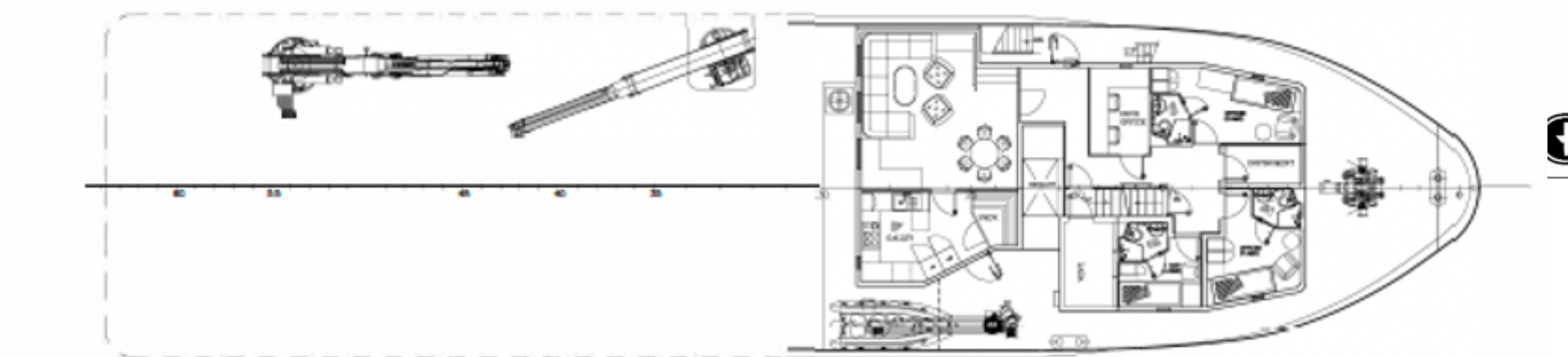
|                         |                                     |
|-------------------------|-------------------------------------|
| Radar                   | 1 × Furuno FAR-1518BB-U-PM          |
|                         | 1 × Furuno FAR-1518BB-15 m          |
| Electronic Chart System | 2 × Furuno Tecdis T-4242            |
| Autopilot               | 1 × Simrad AP70                     |
| Olex                    | Olex system                         |
| Navtex                  | 1 × Furuno                          |
| GPS                     | 1 × Furuno GP170 / GPA017S          |
| AIS                     | 1 × JRC                             |
| Log                     | 1 × Furuno DS-80 Doppler Log        |
| DP System               | NCS Raven JPOS                      |
| GMDSS                   | Sea Area A3.                        |
| Communications          | 4G antenna + Starlink WiFi onboard. |



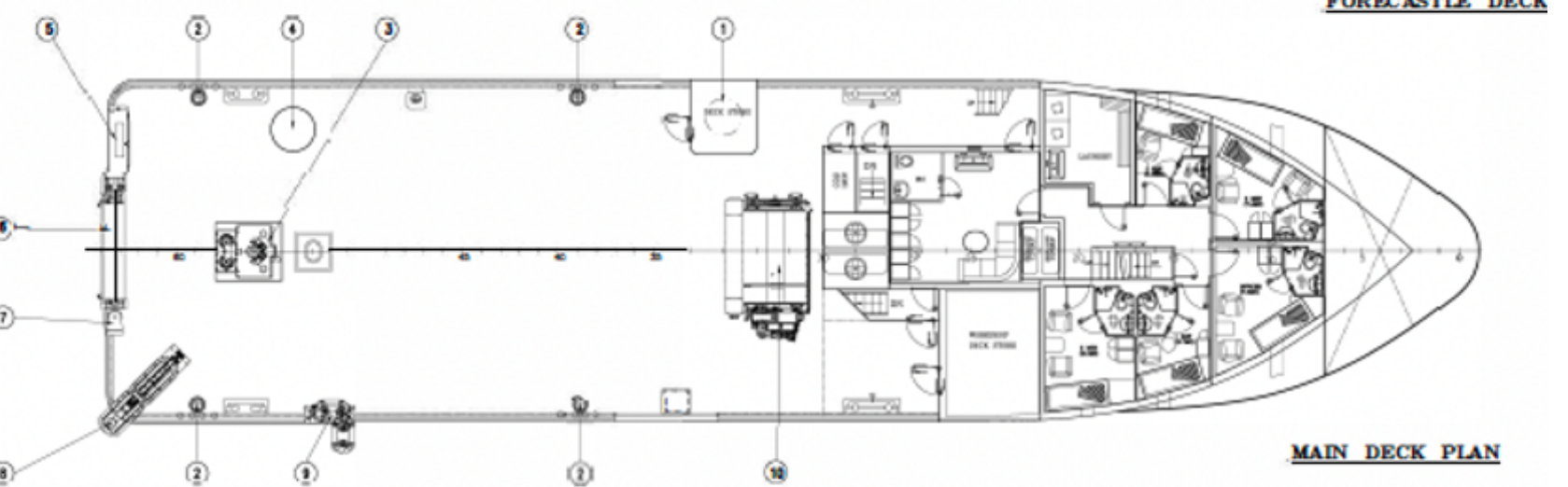
FCS VEGA



PROFILE



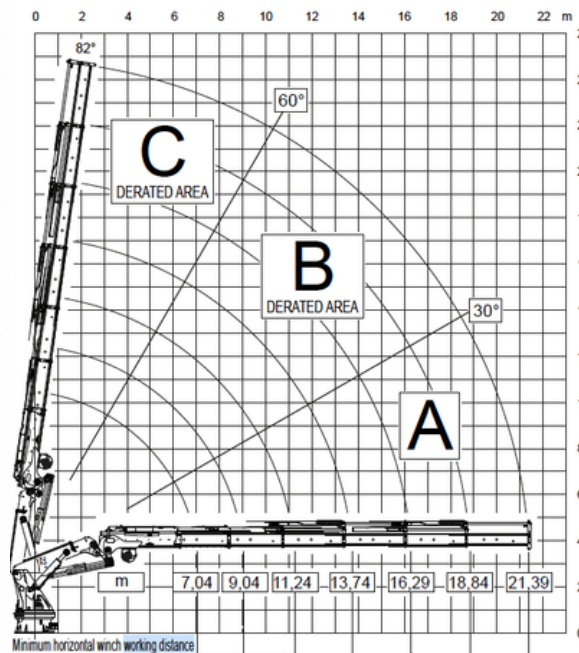
FORECASTLE DECK



MAIN DECK PLAN

EFFER 175000 6S

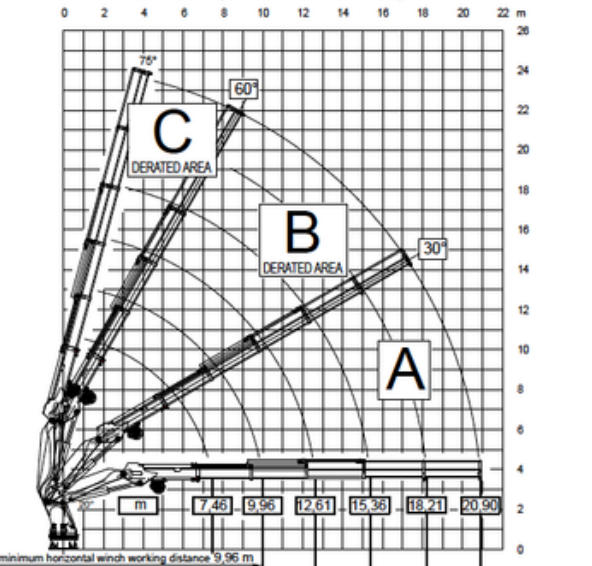
DIN 15018 H1-B3 Heel 5° - Trim 2°



|                   |                                                                                       | kg          | C     | B     | A     | C    | B    | A    | C    | B    | A |
|-------------------|---------------------------------------------------------------------------------------|-------------|-------|-------|-------|------|------|------|------|------|---|
| 5° HEEL - 2° TRIM |  | HOOK        | 11310 | 8140  | 6000  | 4480 | 3510 | 2890 | 2550 |      |   |
|                   |                                                                                       |             | 13210 | 9600  | 7150  | 5420 | 4300 | 3570 | 3090 |      |   |
|                   |                                                                                       | A           | 19280 | 14360 | 11000 | 8580 | 6980 | 5900 | 5150 |      |   |
| 5° HEEL - 2° TRIM |  | DIRECT LINE | C     | -     | -     | 5000 | 4380 | 3400 | 2770 | 2360 |   |
|                   |                                                                                       |             | B     | -     | -     | 5000 | 5000 | 4180 | 3440 | 2950 |   |
|                   |                                                                                       | A           | -     | -     | 5000  | 5000 | 5000 | 5000 | 5000 |      |   |

EFFER 125000-5S

EN13001-1 Harbour conditions  
5° Heel - 2° Trim HC2-HD4-S1  
7° Heel - 3° Trim HC2-HD4-S1  
Mean wind velocity: 9.4 m/s - Max wind velocity: 14 m/s



|                   |             | kg | m     |      |      |      |      |      |      |   |   |
|-------------------|-------------|----|-------|------|------|------|------|------|------|---|---|
|                   |             |    | C     | B    | A    | C    | B    | A    | C    | B | A |
| 5° HEEL - 2° TRIM | HOOK        |    | 7750  | 4500 | 2820 | 1900 | 1370 | 1020 |      |   |   |
|                   |             |    | 8430  | 5440 | 3740 | 2730 | 2120 | 1740 |      |   |   |
|                   | DIRECT LINE |    | 10860 | 7490 | 5470 | 4200 | 3400 | 2900 |      |   |   |
| 5° HEEL - 2° TRIM | HOOK        |    | -     | -    | 4140 | 2540 | 1640 | 1120 | 780  |   |   |
|                   |             |    | -     | -    | 5000 | 3540 | 2520 | 1910 | 1520 |   |   |
|                   | DIRECT LINE |    | -     | -    | 5000 | 5000 | 4040 | 3210 | 2700 |   |   |
| 7° HEEL - 3° TRIM | HOOK        |    | 5770  | 3090 | 1730 | 1020 | 640  | 370  |      |   |   |
|                   |             |    | 6200  | 3770 | 2410 | 1640 | 1200 | 940  |      |   |   |
|                   | DIRECT LINE |    | 7720  | 5070 | 3530 | 2590 | 2020 | 1690 |      |   |   |
| 7° HEEL - 3° TRIM | HOOK        |    | -     | -    | 2800 | 1500 | 800  | 410  | 150  |   |   |
|                   |             |    | -     | -    | 3590 | 2230 | 1440 | 960  | 710  |   |   |
|                   | DIRECT LINE |    | -     | -    | 4970 | 3390 | 2420 | 1830 | 1490 |   |   |

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