



# Jasmund Shipping GmbH & Co. KG

MV AQUARIUS

## SPECIAL PURPOSE VESSEL



Port of Esbjerg 2012

### Description

Last update 14.11.2017

|                               |                                                                                                |
|-------------------------------|------------------------------------------------------------------------------------------------|
| Owners                        | MV AQUARIUS GmbH & CO.KG Bremen                                                                |
| Operators                     | JASMUND SHIPPING GMBH & CoKG                                                                   |
| Sailing area                  | Unlimited according to Iceclass GL E2                                                          |
| Built                         | 1976, <a href="#">Upgrade 2009</a>                                                             |
| Major Conversion 2009/2010    | Conversion from fishery surveillance vessel to special purpose ship/survey vessel<br>Class: GL |
| Insurance:                    | Hull + Machinery, P&I Gard (Norway),                                                           |
| Flag                          | GIBRALTAR                                                                                      |
| Classification                | GL: 100 A5 E02 ( equivalent RUSS KM L2)<br>with freeboard 1.334 m Special Purpose Ship S4D10   |
| MAIN PARTICULARS:             |                                                                                                |
| LOA:                          | abt 77.0 m                                                                                     |
| Beam:                         | abt. 11.75 m                                                                                   |
| Draft when loaded:            | abt 5.75 m                                                                                     |
| Air draft                     | abt. 25,45 m                                                                                   |
| High from keel to top of mast | abt. 31,20 m                                                                                   |
| Propulsion                    | 2,250 KW Single propeller <b>Diesel electric</b>                                               |
| BOW THRUSTER                  | Tunnelthruster 300 KW                                                                          |
| 4 x Dieselgenerator MWM       | Total 2,897 KW                                                                                 |
| 1 x Emergency Generator       | 158 KW                                                                                         |

file: 171114-AQU-SURVEY

Details believed correct, not guaranteed



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|                  |                                                                                          |
|------------------|------------------------------------------------------------------------------------------|
| Max speed 15 Kts | Transit speed 13.5 kts                                                                   |
| Consumption MGO: | Transit 13.5 kts 6,5 MT /24h;<br>Survey: 2.8 MT/24h<br>in Port / at Anchor : 0,3 MT/24h; |

|                                      |                                                  |
|--------------------------------------|--------------------------------------------------|
| Freshwater maker                     | Abt. 10 t p.d.                                   |
| FRESHWATER tank capacity             | Abt. 100 t                                       |
| Bunkers MDO min 0,86; < 0.1% sulphur | Abt 390 MT                                       |
| <b>Endurance:</b>                    | Transit: 60d<br>Survey operations < 6 Kts: 140 d |
|                                      |                                                  |
| Electric supply                      | 660V- 50Hz; 380V – 50Hz; 220V – 50Hz             |

|                                       |                                                                                                                                                                                                                                                |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Communication:                        | 1 x VSAT –SYSTEM (internet);<br>Internal WLAN from all accommodation area<br>with access to VSAT; including internet<br>access flat rate (2048 kbit/s Down / 512<br>kbit/s Up, max. congestion rate 10)<br>2 x VHF installed<br>6 x VHF mobile |
| Working area main deck aft:           | Abt. 160 sqm                                                                                                                                                                                                                                   |
| Working area forecastle deck aft: PS  | Abt. 30 sqm                                                                                                                                                                                                                                    |
| Working area forecastle deck aft: STB | Abt. 20 sqm                                                                                                                                                                                                                                    |
| Container capacity aft deck           | 1 x 20' ISO; 1 x 10 ISO                                                                                                                                                                                                                        |
| Container capacity forecastle deck    | 3 x 20' ISO                                                                                                                                                                                                                                    |
| crew                                  | 9 -14 pers.                                                                                                                                                                                                                                    |

| ACCOMODATION          |                                                                                                                                                                                                                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Charterers staff      | 3 pers En Suite<br>1 pers. single berth cabins partly shared<br>facilities;<br>36 pers. in two berth cabins<br><b>Total:</b> 40 charterers staff<br>Equivalent: 22 charterer staff in single<br>cabins;<br>Up to 16h voyage capacity Total 50 pers<br>vessel crew: 12 – 15 persons accommodated<br>separately |
| Air condition         | central aircon system                                                                                                                                                                                                                                                                                         |
| Messroom 1+2 combined | Abt: 30 seats                                                                                                                                                                                                                                                                                                 |
| Recreation room 1     | Abt: 15 sqm                                                                                                                                                                                                                                                                                                   |
| GYM                   | Abt: 25 sqm                                                                                                                                                                                                                                                                                                   |
|                       |                                                                                                                                                                                                                                                                                                               |



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|                                                                                      |                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OFFICE, WORKSHOPS, STORES                                                            |                                                                                                                                                                                                  |
| Charterer Office                                                                     | Abt 6 sqm 2 pers.                                                                                                                                                                                |
| Charterer observer desk on bridge PS-FWD                                             | 1 pers.                                                                                                                                                                                          |
| Main deck Office                                                                     | Abt: 70 sqm                                                                                                                                                                                      |
| Main deck Changing room/Workshop                                                     | Abt: 16 sqm                                                                                                                                                                                      |
| Main deck Conference / Recreation room                                               | Abt: 25 sqm                                                                                                                                                                                      |
| Lower deck: workshop, store area                                                     | Abt: 120 sqm                                                                                                                                                                                     |
| AFT – A-Frame (geophysical data collection)                                          | SWL 5 T                                                                                                                                                                                          |
| WINCH – AFT-                                                                         | single core about. dia 11 mm<br>Drum capacity: 1,200 m<br>Speed upper layer: 46 M per min<br>Pull inner layer: about 2 MT<br>Pull upper layer: about 1 MT                                        |
| PS – A-Frame (geotechnical sampling)                                                 | SWL 8 T Hight: deck → pad eye: 6.30 m<br>Beam inner clearance: 2.85 m                                                                                                                            |
| PS – WINCH for vibrocorer operation –<br>gravity corer operation<br><br>Plus back up | Wire rope dia: about 19 mm;<br>Drum capacity: 3.500,00 m please contact<br>referring actual wire length;<br>Speed upper layer: 46 M per min<br>Pull inner layer: 14 MT<br>Pull upper layer: 5 MT |
|                                                                                      |                                                                                                                                                                                                  |
| PS –Telescopic Beam                                                                  | SWL: 2 T (Side Scan operation) outreach<br>about 1.2m over the side                                                                                                                              |
| Crane PS                                                                             | Abt. SWL 0.5 t at 6 m                                                                                                                                                                            |
| Knuckle Jib crane SB (Palfinger)                                                     | SWL 3,25 t                                                                                                                                                                                       |
| Moonpool 1                                                                           | Fr. 56, 1300x1100mm<br>Including basket and lift<br>Access from open Deck and Survey area                                                                                                        |
| Moonpool 2                                                                           | Fr. 60, 600x800mm<br>Including basket and lift<br>Access from open Deck and Survey area                                                                                                          |



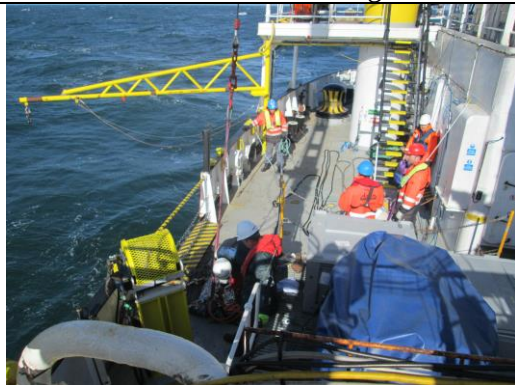
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Recreation room / Meeting Room



Messroom -aft part



Outrigger for sparker ops



Survey office



Survey Office



Postprocessing Office





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port side A-Frame SWL 8T and Vibrocorer Winch



Aft A-Frame SWL 5T



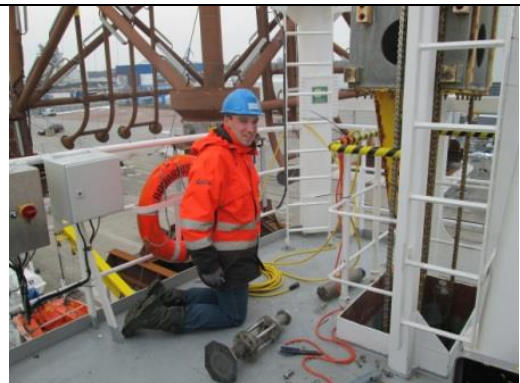
Knuckle JIB-crane with winch platform, out rigger beam for sparker



PS area of side scan winches (charterers supply)



CL Big moonpool carrier



Small moon pool SB



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PS horizontal telescoping beam for sidescan operation



Fast work boat



Boatlanding operations – Sabetta Project

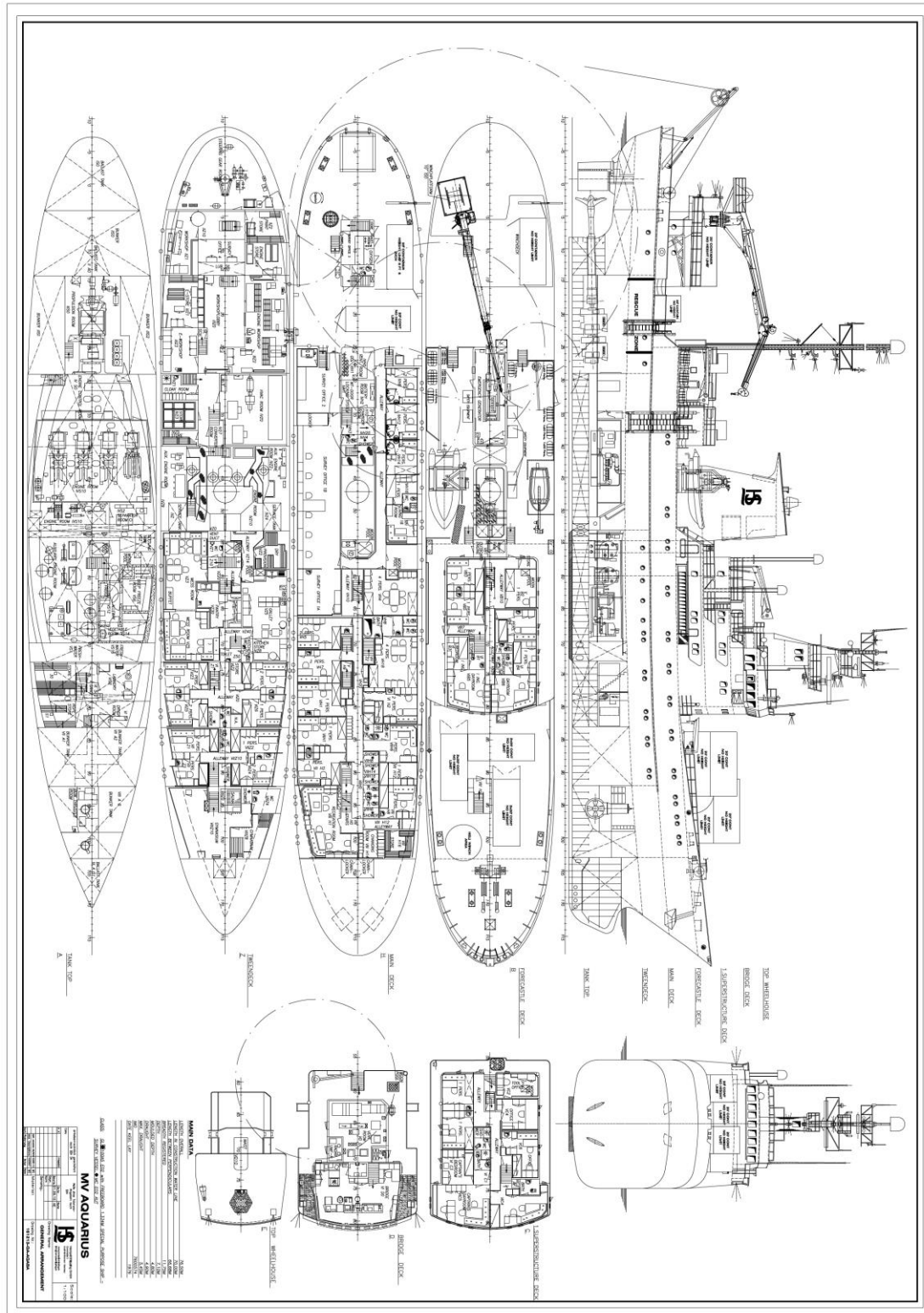


Lifting operations AQUARIUS – SEA GOLF





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