



MV GENESIS

GEOPHYSICAL, LIGHT GEOTECHNICAL & ENVIRONMENTAL SURVEY VESSEL

NOTICE: Particulars are believed to be correct and subject to revision without prior notice. Interested parties must inspect vessel to check on suitability of the Company's equipment. Company has exercised due diligence to ensure that the data contained herein is reasonably accurate. However, the Company does not warrant the accuracy or completeness of the data. In no event shall the Company be liable for any damages whatsoever arising out of the use or inability to use the data contained herein. All optional equipment for Charterers' usage shall be agreed by the Company. Updated as at 7 February 2023.



MV GENESIS

TECHNICAL SPECIFICATIONS

VESSEL SPECIFICATIONS

Year Built	2011
Flag	Betio, Kirabati
Classification	BV

PRINCIPLE DIMENSIONS

Length Overall	60.0 m
Beam	16.0 m
Maximum Draft	4.85 m
GRT / NRT (MT)	1,642T

COMMUNICATIONS

NAVTEX	NSR NVX-3000
VHF/SSB	2 x Sailor 6222 VHF-DSC
Inmarsat – C1	Furuno MES FELCOM 15 (LRIT)
Inmarsat – C2	Furuno MES FELCOM 15 (SSAS)

(Communications equipment are for safety compliance and Owner's usage only)

PROPULSION & PERFORMANCE

Main Engines	2 x Cummins QSJ 2x2200 BHP@1800RPM
Bow Thruster	1 x Kamome CPP TCB
Speed	08 - 10 knots
Endurance	31 days

NAVIGATION

RADAR	Furuno FAR 21x7, X-Band
Gyro Compass	2 x Anschutz STD-22
GPS	MX Marine MX420
Doppler Speed Log	Furuno DS-80
Echosounder	Furuno FE-700
AIS	Jotron, TR-8000

DECK EQUIPMENT (OPTIONAL)

Deck Crane	1 x Marine ME 5T/8m
Capstan	2 x 6T SWL
Moonpool	2.4m x 2.4m
'A' Frame	10T SWL

ELECTRICAL

Generators	2 main engine driven generators 875 kVA (700 kW), 415 V, 50 Hz
	2 diesel generators 313 kVA (250 kW), 415 V, 50 Hz

SAFETY EQUIPMENT

Rescue/MOB	1 x davit launched
Life Rafts	4 x 25 Persons (Upgradable to 54 pax)
Fire Detection	Fireclass Precept EN 16Zone Panel

ACCOMMODATION

Bunk Capacity	54 persons
Sick Bay	Provided

(Number of berths for Charterers' usage as per charter party agreement)

CAPACITY(s)

Fuel	526m ³
Fresh Water/FWB	690m ³ / 81m ³
Water Maker	5m ³ /day

NOTICE: Particulars are believed to be correct and subject to revision without prior notice. Interested parties must inspect vessel to check on suitability of the Company's equipment. Company has exercised due diligence to ensure that the data contained herein is reasonably accurate. However, the Company does not warrant the accuracy or completeness of the data. In no event shall the Company be liable for any damages whatsoever arising out of the use or inability to use the data contained herein.



MV GENESIS

EQUIPMENTS LIST

POSITIONING AND NAVIGATION

Primary Positioning :	Fugro P2 Pro GNSS
Secondary Positioning :	Hemisphere Vector VS1000
Gyrocompass :	TSS Meridian
Navigation software :	QPS QINSy V.9
Underwater Tracking	Sonardyne Scout Plus Transducer 3x Sonardyne 8271 omni directional transponder beacons
Secondary Heading :	Octan

BATHYMETRY – SBES, MBES & SVP

Single Beam E/S :	Teledyne E20
Multi Beam E/S :	Teledyne T20 Dual Head
Motion Reference :	Octan INS20
Active Frequency :	33/200 kHz
Active Frequency :	190-420 kHz
MBES and Backscatter processing software :	QPS Qimera
SVP probe :	SVP70 MBES SV AML Plus-X

SIDE SCAN SONAR

SSS model :	2x Edgetech 4205 Series
SSS Acquisition software :	Edgetech Discover
Tow Point :	Swing Davit
SSS Frequency :	230 & 540 kHz
SSS processing software :	SonarWiz
Winch :	Electrical winch

SBP

SBP :	Innomar Medium
Acquisition software :	Innomar SIS 2000
SBP Frequency :	100kHz Primary 4-15kHz Secondary
Interpretation software :	SonarWiz / IHS Kingdom Suite

MAGNETOMETER

Model :	1x Geometrics G882 (piggyback SSS)
Acquisition software :	Maglog lite
Sensitivity :	1nT
Processing software :	Magpick / Oasis Montaj

SEABED SAMPLING

Model :	Gravity Corer
Barrel length :	3m, steel
Barrel diameter :	3 ½ inch
Onboard soil tester :	Torvane & Pocket Pentrometer
Weight :	1000kg in air
Deployment :	A frame + 3T SWL winch from stern
Liner :	3 inch core liner
Misc :	End caps etc

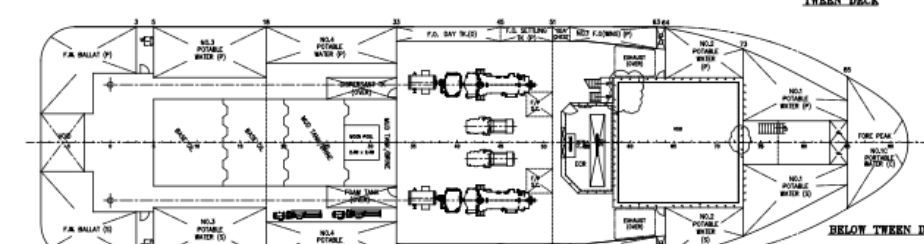
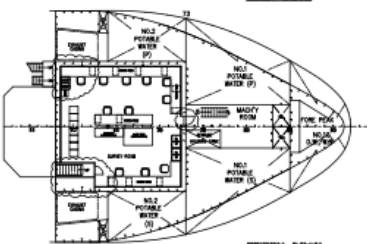
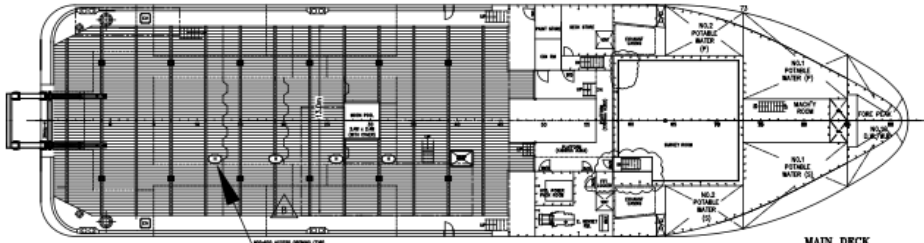
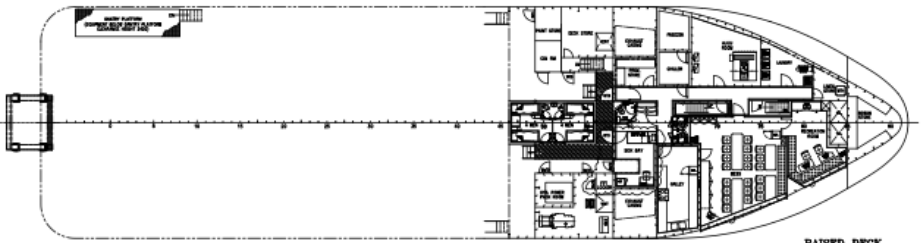
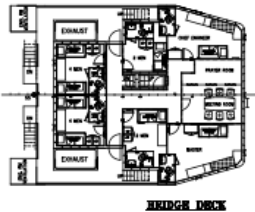
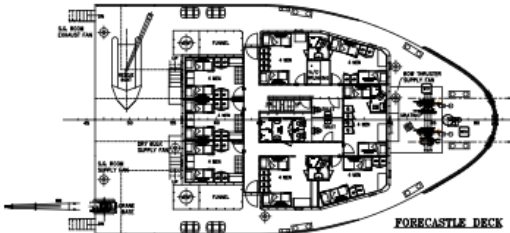
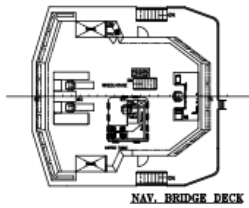
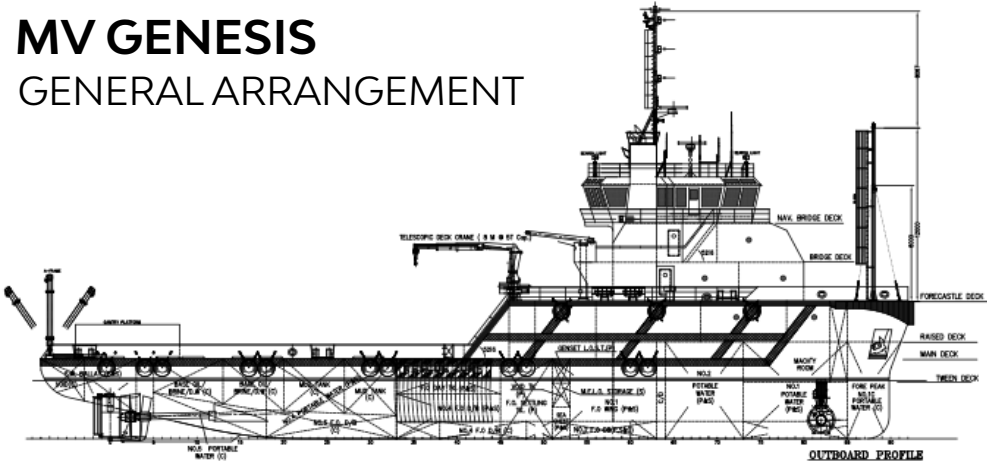
2DHR * other options can be provided/varied to optimise objectives

Source :	GI Gun
Streamer :	GeoEel Gel
Group interval :	12.5m
Tail buoy positioning :	800L Mini
Streamer Leveller :	5010 birds 5011 birds
Interpretation system :	GeoVerse
Source Power :	150 cu in
Channel No. :	96
Active Streamer Length :	1200m
Recording system :	Geometrics LH-16 High Frequency CNT-2 Controller
Processing system :	RadExPro / ProMAX

NOTICE: Particulars are believed to be correct and subject to revision without prior notice. Interested parties must inspect vessel to check on suitability of the Company's equipment. Company has exercised due diligence to ensure that the data contained herein is reasonably accurate. However, the Company does not warrant the accuracy or completeness of the data. In no event shall the Company be liable for any damages whatsoever arising out of the use or inability to use the data contained herein.



MV GENESIS
GENERAL ARRANGEMENT



[LPO039384 : This drawing has been reviewed for conversion of all DR/WR tanks to F/W or Portable Water tanks.
[LPO039384 : The plans have been reviewed within the scope of:
1. SOLAS (edition 2008)
2. IMO Resolution A.535(13) - GPS CODE 1983
for modified part only. Job no. L1133/SPO/0322 and L0202/SPO/0323.
Flag: Kiribati
Complement: Complement 14 men (12 crew and 02 special personnel)
Navigation: Unrestricted navigation (Class), International voyage (Statutory)
Modified part (L1133/SPO/0322):
1. Increase in total person on board from 35 to 54.
2. Increase crew cabin capacity (additional 11 men).
3. Additional accommodation bunk (additional 8 men).
4. Additional Living appliances.
Modified part (L0202/SPO/0323):
1. Forward mast installation.

PRINCIPAL PARTICULARS	
LENGTH O.A.	60.00m
LENGTH W.L.	58.74m
BEAM MLD.	16.00m
DEPTH MLD.	5.50m
DRAFT DESIGNED/max.	4.20m/4.85m
DWT	1150t/1650t
COMPLEMENT	54 MEN
POTABLE WATER	692m ³ (Approx)
F.O	522m ³ (Approx)
F.W.B.	81m ³ (Approx)
LIQUID MUD	
BASE OIL/BRINE/L.MUD	159m ³
FOAM	10m ³
DISPERSANT	10m ³
DRY BULK	170m ³
DIRTY OIL	11m ³
BULGE HOLDING	11m ³
DECK SPACE	400m ² (approx.)
DECK CARGO	600tonnes (approx.)

Bureau Veritas Marine & Offshore
Section 1292AA
VU avec commentaires
Singapore, 16-Oct-2023
(Electronic document)
The plan approval office

E	UPDATED BASED ON BV'S COMMENTS & LATEST GA (REV F).	26/06/2023	QS
D	FOR WAST ADDED REQUESTED BY CLIENT.	26/07/2023	QS
C	NEW CREWS CABIN ADDED ON MAIN DECK REQUESTED BY LEVEL.	12/12/2022	QS
B	CREW QUARTERS REQUESTED BY CLIENT.	20/10/2022	QS
A	CONVERT ALL S.W. / S.W.B. TANKS TO PORTABLE WATER TANKS.	27/10/2022	QS
Rev.	Detail of Modifications	Date	Done by
1	JENJOSH		
2	JENJOSH		
3	JENJOSH		
4	JENJOSH		
5	JENJOSH		
6	JENJOSH		
7	JENJOSH		
8	JENJOSH		
9	JENJOSH		
10	JENJOSH		
11	JENJOSH		
12	JENJOSH		
13	JENJOSH		
14	JENJOSH		
15	JENJOSH		
16	JENJOSH		
17	JENJOSH		
18	JENJOSH		
19	JENJOSH		
20	JENJOSH		
21	JENJOSH		
22	JENJOSH		
23	JENJOSH		
24	JENJOSH		
25	JENJOSH		
26	JENJOSH		
27	JENJOSH		
28	JENJOSH		
29	JENJOSH		
30	JENJOSH		
31	JENJOSH		
32	JENJOSH		
33	JENJOSH		
34	JENJOSH		
35	JENJOSH		
36	JENJOSH		
37	JENJOSH		
38	JENJOSH		
39	JENJOSH		
40	JENJOSH		
41	JENJOSH		
42	JENJOSH		
43	JENJOSH		
44	JENJOSH		
45	JENJOSH		
46	JENJOSH		
47	JENJOSH		
48	JENJOSH		
49	JENJOSH		
50	JENJOSH		
51	JENJOSH		
52	JENJOSH		
53	JENJOSH		
54	JENJOSH		
55	JENJOSH		
56	JENJOSH		
57	JENJOSH		
58	JENJOSH		
59	JENJOSH		
60	JENJOSH		
61	JENJOSH		
62	JENJOSH		
63	JENJOSH		
64	JENJOSH		
65	JENJOSH		
66	JENJOSH		
67	JENJOSH		
68	JENJOSH		
69	JENJOSH		
70	JENJOSH		
71	JENJOSH		
72	JENJOSH		
73	JENJOSH		
74	JENJOSH		
75	JENJOSH		
76	JENJOSH		
77	JENJOSH		
78	JENJOSH		
79	JENJOSH		
80	JENJOSH		
81	JENJOSH		
82	JENJOSH		
83	JENJOSH		
84	JENJOSH		
85	JENJOSH		
86	JENJOSH		
87	JENJOSH		
88	JENJOSH		
89	JENJOSH		
90	JENJOSH		
91	JENJOSH		
92	JENJOSH		
93	JENJOSH		
94	JENJOSH		
95	JENJOSH		
96	JENJOSH		
97	JENJOSH		
98	JENJOSH		
99	JENJOSH		
100	JENJOSH		
101	JENJOSH		
102	JENJOSH		
103	JENJOSH		
104	JENJOSH		
105	JENJOSH		
106	JENJOSH		
107	JENJOSH		
108	JENJOSH		
109	JENJOSH		
110	JENJOSH		
111	JENJOSH		
112	JENJOSH		
113	JENJOSH		
114	JENJOSH		
115	JENJOSH		
116	JENJOSH		
117	JENJOSH		
118	JENJOSH		
119	JENJOSH		
120	JENJOSH		
121	JENJOSH		
122	JENJOSH		
123	JENJOSH		
124	JENJOSH		
125	JENJOSH		
126	JENJOSH		
127	JENJOSH		
128	JENJOSH		
129	JENJOSH		
130	JENJOSH		
131	JENJOSH		
132	JENJOSH		
133	JENJOSH		
134	JENJOSH		
135	JENJOSH		
136	JENJOSH		
137	JENJOSH		
138	JENJOSH		
139	JENJOSH		
140	JENJOSH		
141	JENJOSH		
142	JENJOSH		
143	JENJOSH		
144	JENJOSH		
145	JENJOSH		
146	JENJOSH		
147	JENJOSH		
148	JENJOSH		
149	JENJOSH		
150	JENJOSH		
151	JENJOSH		
152	JENJOSH		
153	JENJOSH		
154	JENJOSH		
155	JENJOSH		
156	JENJOSH		
157	JENJOSH		
158	JENJOSH		
159	JENJOSH		
160	JENJOSH		
161	JENJOSH		
162	JENJOSH		
163	JENJOSH		
164	JENJOSH		
165	JENJOSH		
166	JENJOSH		
167	JENJOSH		
168	JENJOSH		
169	JENJOSH		
170	JENJOSH		
171	JENJOSH		
172	JENJOSH		
173	JENJOSH		
174	JENJOSH		
175	JENJOSH		
176	JENJOSH		
177	JENJOSH		
178	JENJOSH		
179	JENJOSH		
180	JENJOSH		
181	JENJOSH		
182	JENJOSH		
183	JENJOSH		
184	JENJOSH		
185	JENJOSH		
186	JENJOSH		
187	JENJOSH		
188	JENJOSH		
189	JENJOSH		
190	JENJOSH		
191	JENJOSH		
192	JENJOSH		
193	JENJOSH		
194	JENJOSH		
195	JENJOSH		
196	JENJOSH		
197	JENJOSH		
198	JENJOSH		
199	JENJOSH		
200	JENJOSH		
201	JENJOSH		
202	JENJOSH		
203	JENJOSH		
204	JENJOSH		
205	JENJOSH		
206	JENJOSH		
207	JENJOSH		
208	JENJOSH		
209	JENJOSH		
210	JENJOSH		
211	JENJOSH		
212	JENJOSH		
213	JENJOSH		
214	JENJOSH		
215	JENJOSH		
216	JENJOSH		
217	JENJOSH		
218	JENJOSH		
219	JENJOSH		
220	JENJOSH		
221	JENJOSH		
222	JENJOSH		
223	JENJOSH		
224	JENJOSH		
225	JENJOSH		
226	JENJOSH		
227	JENJOSH		
228	JENJOSH		
229	JENJOSH		
230	JENJOSH		
231	JENJOSH		
232	JENJOSH		
233	JENJOSH		
234	JENJOSH		
235	JENJOSH		
236	JENJOSH		
237	JENJOSH		
238	JENJOSH		
239	JENJOSH		
240	JENJOSH		
241	JENJOSH		
242	JENJOSH		
243	JENJOSH		
244	JENJOSH		
245	JENJOSH		
246	JENJOSH		
247	JENJOSH		
248	JENJOSH		
249	JENJOSH		
250	JENJOSH		
251	JENJOSH		
252	JENJOSH		
253	JENJOSH		
254	JENJOSH		
255	JENJOSH		
256	JENJOSH		
257	JENJOSH		
258	JENJOSH		
259	JENJOSH		
260	JENJOSH		
261	JENJOSH		
262	JENJOSH		
263	JENJOSH		
264	JENJOSH		
265	JENJOSH		
266	JENJOSH		
267	JENJOSH		
268	JENJOSH		
269	JENJOSH		
270	JENJOSH		
271	JENJOSH		
272	JENJOSH		
273	JENJOSH		
274	JENJOSH		
275	JENJOSH		
276	JENJOSH		
277	JENJOSH		
278	JENJOSH		
279	JENJOSH		
280	JENJOSH		
281	JENJOSH		
282	JENJOSH		
283	JENJOSH		
284	JENJOSH		
285	JENJOSH		
286	JENJOSH		
287	JENJOSH		
288	JENJOSH		
289	JENJOSH		
290	JENJOSH		
291	JENJOSH		
292	JENJOSH		
293	JENJOSH		
294	JENJOSH		
295	JENJOSH		
296	JENJOSH		
297	JENJOSH		
298	JENJOSH		
299	JENJOSH		
300	JENJOSH		
301	JENJOSH		
302	JENJOSH		
303	JENJOSH		
304	JENJOSH		
305	JENJOSH		
306	JENJOSH		
307	JENJOSH		
308	JENJOSH		
309	JENJOSH		
310	JENJOSH		
311	JENJOSH		
312	JENJOSH		
313	JENJOSH		
314	JENJOSH		
315	JENJOSH		
316	JENJOSH		
317	JENJOSH		
318	JENJOSH		
319	JENJOSH		
320	JENJOSH		
321	JENJOSH		
322	JENJOSH		
323	JENJOSH		
324	JENJOSH		
325	JENJOSH		
326	JENJOSH		
327	JENJOSH		
328	JENJOSH		
329	JENJOSH		
330	JENJOSH		
331	JENJOSH		
332	JENJOSH		
333	JENJOSH		
334	JENJOSH		
335	JENJOSH		
336	JENJOSH		
337	JENJOSH		
338	JENJOSH		
339	JENJOSH		
340	JENJOSH		
341	JENJOSH		
342	JENJOSH		
343	JENJOSH		
344	JENJOSH		
345	JENJOSH		
346	JENJOSH		
347	JENJOSH		
348	JENJOSH		
349	JENJOSH		
350	JENJOSH		
351	JENJOSH		
352	JENJOSH		
353	JENJOSH		
354	JENJOSH		
355	JENJOSH		
356	JENJOSH		
357	JENJOSH		
358	JENJOSH		
359	JENJOSH		
360	JENJOSH		
361	JENJOSH		
362	JENJOSH		
363	JENJOSH		
364	JENJOSH		
365	JENJOSH		
366	JENJOSH		
367	JENJOSH		
368	JENJOSH		
369	JENJOSH		
370	JENJOSH		
371	JENJOSH		
372	JENJOSH		
373	JENJOSH		
374	JENJOSH		
375	JENJOSH		
376	JENJOSH		
377	JENJOSH		
378	JENJOSH		
379	JENJOSH		
380	JENJOSH		
381	JENJOSH		
382	JENJOSH		
383	JENJOSH		
384	JENJOSH		
385	JENJOSH		
386	JENJOSH		
387	JENJOSH		
388	JENJOSH		
389	JENJOSH		
390	JENJOSH		
391	JENJOSH		
392	JENJOSH		
393	JENJOSH		
394	JENJOSH		
395	JENJOSH		
396	JENJOSH		
397	JENJOSH		
398	JENJOSH		
399	JENJOSH		
400	JENJOSH		
401	JENJOSH		
402	JENJOSH		
403	JENJOSH		
404	JENJOSH		
405	JENJOSH		
406	JENJOSH		
407	JENJOSH		
408	JENJOSH		
409	JENJOSH		
410	JENJOSH		
411	JENJOSH		
412	JENJOSH		
413	JENJOSH		
414	JENJOSH		
415	JENJOSH		
416	JENJOSH		
417	JENJOSH		
418	JENJOSH		
419	JENJOSH		
420	JENJOSH		
421	JENJOSH		
422	JENJOSH		
423	JENJOSH		
424	JENJOSH		
425	JENJOSH		
426	JENJOSH		
427	JENJOSH		
428	JENJOSH		
429	JENJOSH		
430	JENJOSH		
431	JENJOSH		
432	JENJOSH		
433	JENJOSH		
434	JENJOSH		
435	JENJOSH		
436	JENJOSH		
437			

