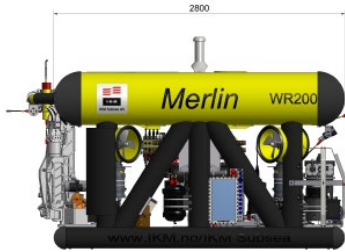




## M/V Ross Eagle

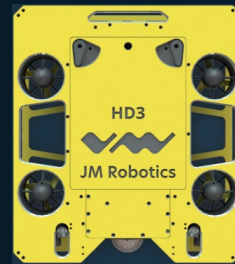
## Offshore equipment



### WROV

#### Merlin WR200

- 200HP Electrical Work Class ROV
- Open frame features
- State of the art Hydrodynamic capabilities
- Highest degree of redundancy in the market
- Proven technology based on 100,000 hours of operating time
- Fully built-in tooling interface for electrical as well as hydraulic operated tooling
- Flexible control platform involving dynamic positioning system
- Green design, environmental friendly - less oil



### ROV - HD3

#### ROV system

The ROV system is robust, flexible and prepared for DVL, sonar and underwater positioning.

The system has a depth capacity down to 350 meters and comes with 3Kw Topside Power System with ground fault monitoring.



## M/V Ross Eagle – Vessel Specifications

### VESSEL IDENTIFICATIONS

Year built .....	2003
Type .....	Geotechnical survey vessel
Builder .....	Brattvaag Skipsverft, Norway
Flag .....	Norway
Classification .....	DNV +1A1 Supply vessel SF, EO, Dynpos AUTR

### MAIN CHARACTERISTICS

LOA .....	72 m
Breadth (moulded) .....	16 m
Depth (mould to sh.dk) .....	7 m
Draft (max) .....	5.9 m
GRT .....	2,244 T
NRT .....	936 T
Deadweight .....	3,200 T

### MACHINERY

Main Engines .....	2 x 2,725 BHP
Shaft Alternators .....	2 x 1,690 KVA
Thrusters Bow .....	1 x 800 BHP
Thruster Azimuth .....	1 x 1,000 BHP
Thrusters Stern .....	2 x 800 BHP
Rudders .....	2 x High Lift
Propellers .....	2 x CPP
Capstans .....	2 x 8 T
Tugger Winch .....	2 x 10 T

### DYNAMIC POSITIONING SYSTEM (CLASS II)

Kongsberg Simrad SDP 21 (DP II)  
2 x DPC 11 Controller Unit  
"Green" DP Software module installed  
RRM Joystick

### REFERENCES

HiPAP acoustic system - Kongsberg 502 DGPS  
Light weight Taut Wire (Mk 12)  
Fan beam laser

### SURVEY ROOMS

6 m x 3.5 m survey room (main deck)  
ROV controll room  
19" racks and 220v power  
Telemetry / video / data link to bridge and  
Client cabins

### ACCOMODATION

14 X 1 Man  
10 x 2 Man

### CARGO CAPACITY

Deck Area .....	640 m <sup>2</sup>
Deck Load .....	1,500 T
Fuel Oil .....	916.8 m <sup>3</sup> @ 100%
Potable Water .....	796.3 m <sup>3</sup> @ 100%
Drill Water .....	1,152.4 m <sup>3</sup> @ 100%
Oil Based Mud* .....	769.3 m <sup>3</sup> @ 100%
Base Oil .....	208 m <sup>3</sup> @ 100%
Brine* .....	769.3 m <sup>3</sup> @ 100%
Dry Bulk .....	256 m <sup>3</sup> @ 100%

\* Mud/Brine tanks –  
8 Dual purpose tanks (4839 bbls)  
8 mud or 6 mud / 2 brine, 4 mud / 4 brine etc.  
with complete product segregation

### OTHER FEATURES

Moon Pool (4.35 x 3.8 m) passively stabilized  
Ø 50cm survey tube for "hull mounted  
equipment"

### DECK EQUIPMENT

A-frame over moon-pool 100Te  
AHC winch (for a-frame) up to 80Te capacity  
CT winch (for a-frame) 8 Te capacity  
Deck Crane 1 x 5T @ 10m  
Pipe- / Deck equipment manipulator 5T  
Aft deck reinforced for 150Te A-frame  
50/99 t AHC winch for subsea construction work  
8 t CT winch for subsea construction work

### ROVs

JM Robotics – HD3 Observation ROV <350m  
IKM - Merlin WR200 Work ROV

