

MODEL

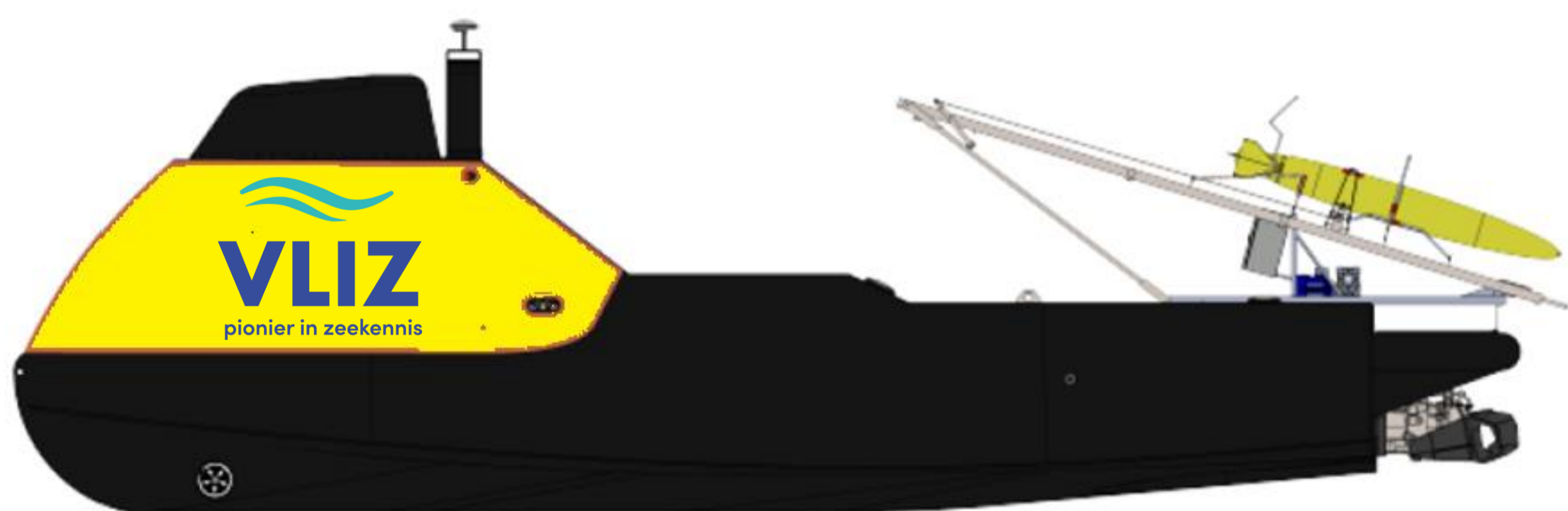
Mariner X – Maritime Robotics

PHYSICAL DIMENSIONS

- Length:** 9 m
- Width:** 2.5 m
- Height:** 3 m
- Draught:** 0.6 m
- Weight:** 5000 kg (Dry weight)

SCIENTIFIC PAYLOAD

- CTD:** AML
- Weather Station:** Airmar 200WX
- INS:** PHINS Surface
- VM ADCP:** Nortek VM500Hz
- Echosounder:** Teledyne Odom, Reson TC2122 (33 kHz - 200 kHz)
- Underway Sensor Lab:** SubCTech



OPERATIONAL CHARACTERISTICS

- Endurance:** Up to 25 days
- Max speed:** 12+ kts
- Propulsion:**
 - Primary:** Yanmar 4LV230 with HamiltonJet HJX29 Jet
 - Redundant:** Twin Torqeedo Cruise 10.0 with 11.2kW battery bank
- Customisable Payload:** 2 moonpools and modular back deck
- Situational awareness:** 360° camera, FLIR M300C, Radar, Lidar, AIS, VHFoIP, depth sounder, SeaCapture® software
- Stabilisation:** Seakeeper 2

COMMUNICATIONS

- 4G**
- Starlink**
- MBR 144 and 179, LOS**
- Iridium VesseLINK satellite**
- Iridium SBD (backup)**

