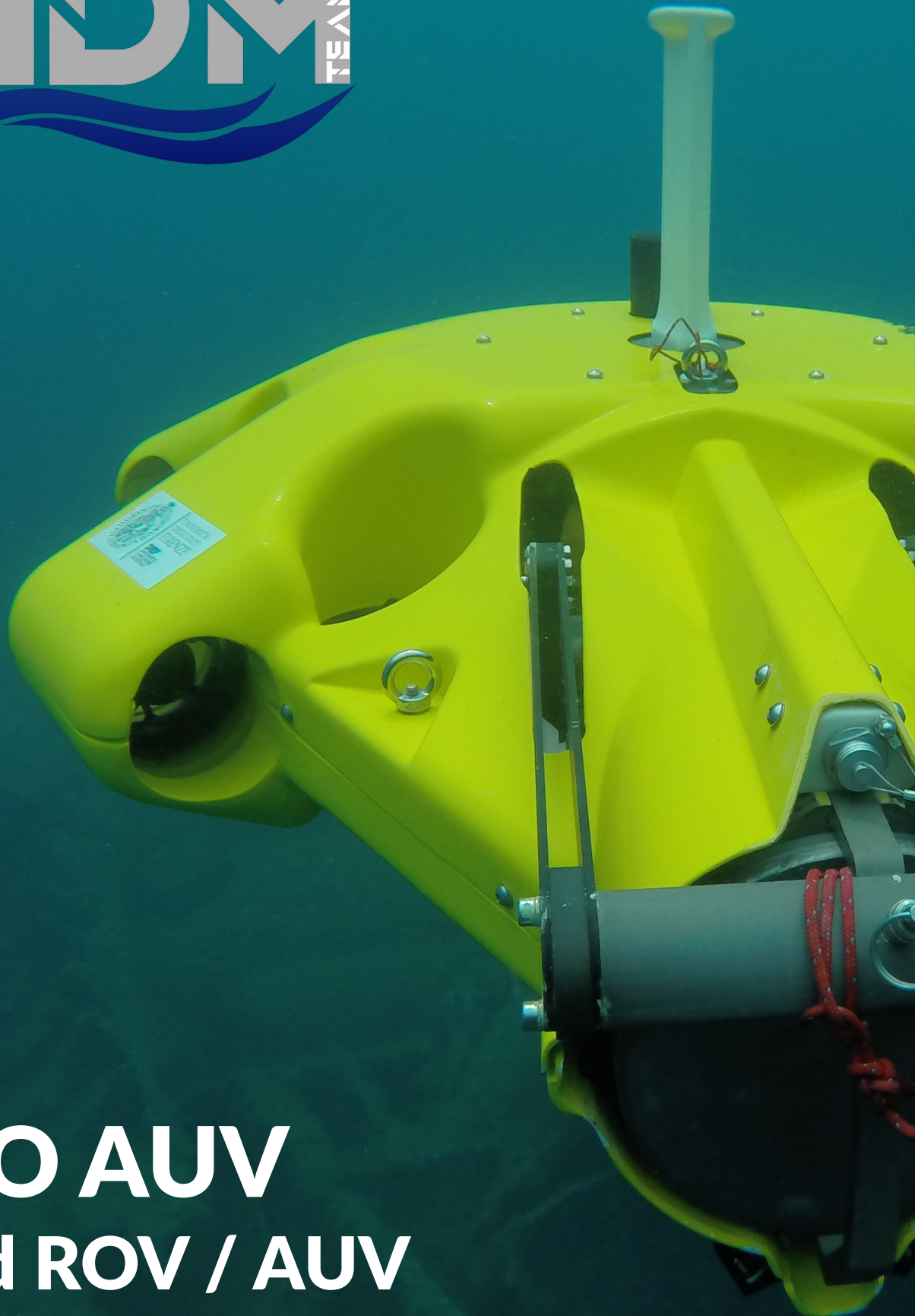
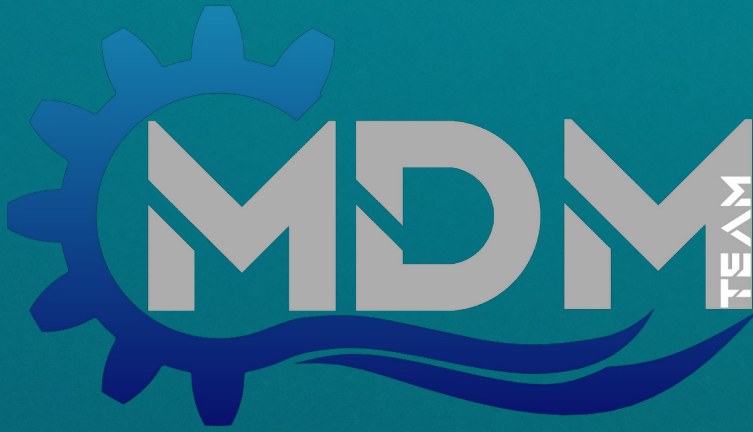




**ZENO AUV**  
**Hybrid ROV / AUV**  
**Underwater Drone**



# ZENO AUV

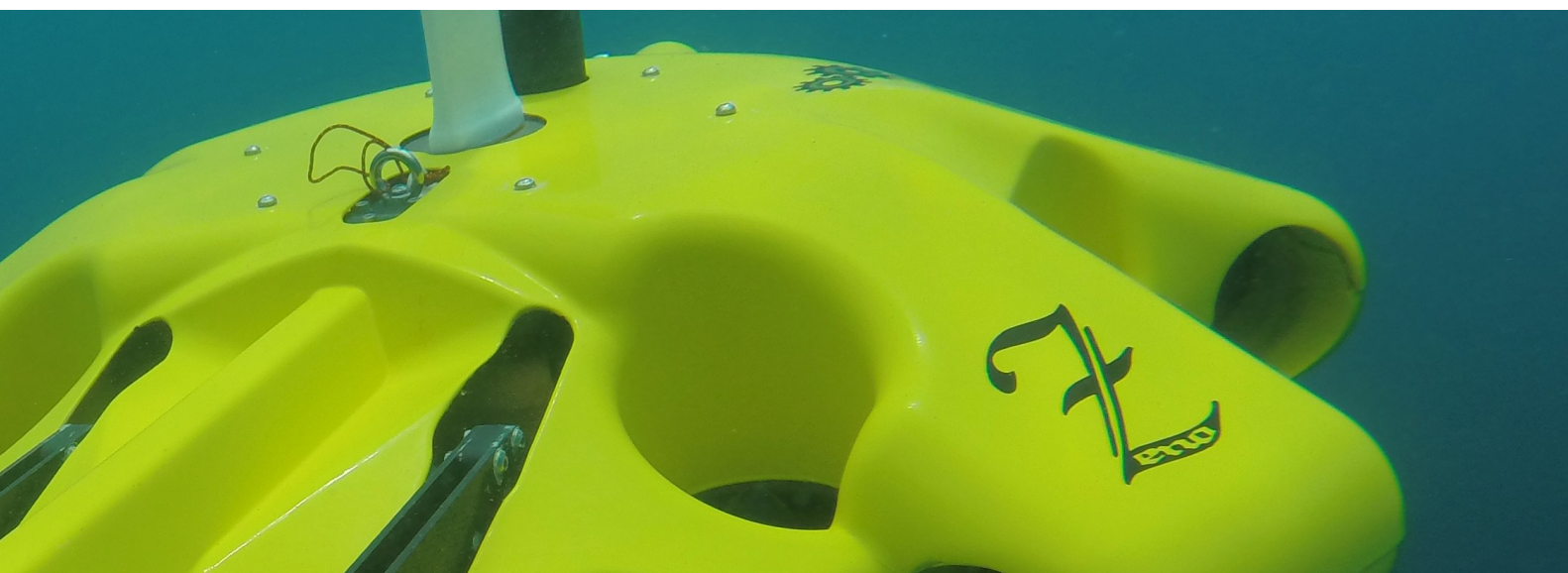
## SPECIFICATIONS

### MECHANICAL

| FEATURE             | VALUE                                                                        | UNIT |
|---------------------|------------------------------------------------------------------------------|------|
| Weight              | 44                                                                           | Kg   |
| Number of Thrusters | 8                                                                            |      |
| Material            | Anticorodal aluminium alloy (6000 series), Carbon fiber, Fiberglass (carter) |      |
| Depth Rating        | 100                                                                          | m    |
| Vehicle Dimension   | 1030x830x270                                                                 | mm   |
| Antenna Dimension   | 190                                                                          | mm   |

### ELECTRICAL

| FEATURE         | VALUE | UNIT |
|-----------------|-------|------|
| Battery Voltage | 14.8  | Vdc  |
| Recharge Time   | 3     | hr   |







# ZENO AUV

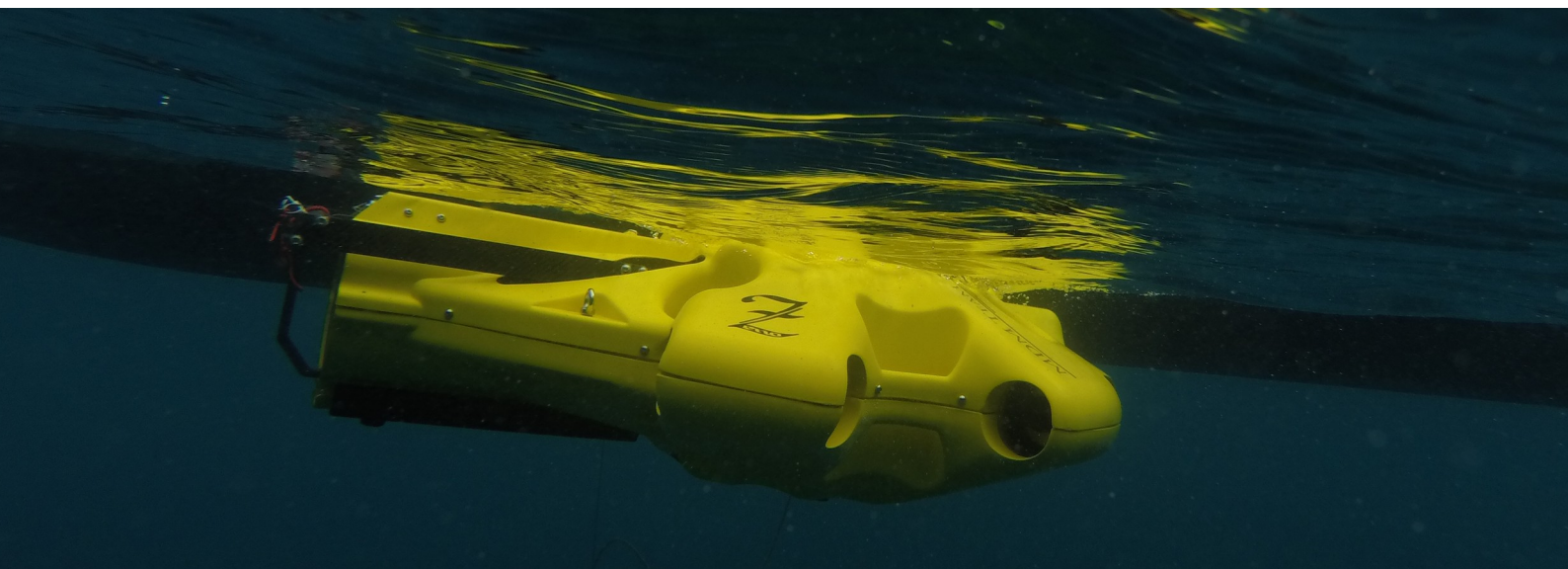
## SPECIFICATIONS

### OPERATIONAL

| FEATURE                    | VALUE / UNIT | UNITS/NOTE                            |
|----------------------------|--------------|---------------------------------------|
| Degrees of Freedom         | 6            | Roll, Pitch, Yaw, Surge Sway & Heave  |
| Maximum Longitudinal Speed | 2.0 knots    |                                       |
| Working Longitudinal Speed | 1.0 knots    |                                       |
| Maximum Marine Current     | 1.0 knots    | Over longitudinal axis                |
| Autonomy                   | 4hrs         | Marine current might affects estimate |

### DATA LINK

| DOMAIN  |            | TYPE              | MODE |     |
|---------|------------|-------------------|------|-----|
| SURFACE | UNDERWATER |                   | ROV  | AUV |
| ✓       | ✓          | Cable             | ✓    |     |
| ✓       | ✓          | Sea Buoy          | ✓    | ✓   |
| ✓       |            | WiFi 2.4/5.0 Ghz  | ✓    | ✓   |
| ✓       |            | UHF Radio 848 Mhz | ✓    | ✓   |
|         | ✓          | Acoustic Modem    |      | ✓   |





# ZENO AUV

## SPECIFICATIONS

### CONFIGURATION

| BASE              |                  | OPTIONAL              |                         |
|-------------------|------------------|-----------------------|-------------------------|
| MEMS IMU          | GPS/GLONASS Recv | Single Axis FOG       | Doppler Velocity Log    |
| Depth Gauge       | HD Front Camera  | Altimeter             | Acoustic Modem          |
| UHF Radio Modem   | WiFi 2.4/5.0 Ghz | Multibeam Sonar       | Side Scan Sonar         |
| Illumination Leds |                  | Frontal Looking Sonar | Frontal Echo Sounder    |
|                   |                  | HD Vertical Camera    | Additional Battery Pack |
|                   |                  | Sea Buoy              | Control Station         |

### WARRANTY AND CUSTOMER SERVICE

|                   |                                                                                                                                                                                   |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Warranty          | 12 Months                                                                                                                                                                         |
| Customer Services | <ul style="list-style-type: none"><li>- Maintenance Service</li><li>- Third Party Sensor Integration</li><li>- Application Engineer Support</li><li>- Training Services</li></ul> |





# ZENO AUV

## SPECIFICATIONS

### CONTROL STATION

|                         |                                      |
|-------------------------|--------------------------------------|
| IP Rating               | IP65                                 |
| Screen                  | Outdoor 850 NIT Touchscreen          |
| Long Range Battery Pack | UPS+LiFePo4 4Sx60Ah                  |
| External Ports          | 1xHDMI                               |
|                         | 2xRS232                              |
|                         | 2xUSB3.0                             |
|                         | 2x203.3af/at PoE / GbE               |
|                         | 1x (24Vdc+RS232) Acoustic Modem Port |
|                         | 1x (5Vdc+24Vdc) Power Line           |
|                         | 1xPower Supply                       |
| External Antennas       | WiFi 2.4/5.0 Ghz                     |
|                         | UHF Radio Modem 848MHz               |
|                         | Global Positioning System            |
| Warranty                | 12 Months                            |







# ZENO AUV

## SPECIFICATIONS

### CONTACTS

|              |                                                      |
|--------------|------------------------------------------------------|
| Company Name | MDM Team S.R.L                                       |
| Headquarter  | Via Venezia n.4<br>Firenze (FI)<br>Italy             |
| V.A.T. No.   | IT-06282350484                                       |
| Website      | <a href="http://www.mdmteam.eu">www.mdmteam.eu</a>   |
| Email        | <a href="mailto:info@mdmteam.eu">info@mdmteam.eu</a> |
| Tel.         | (+39) 392-264-1531                                   |

