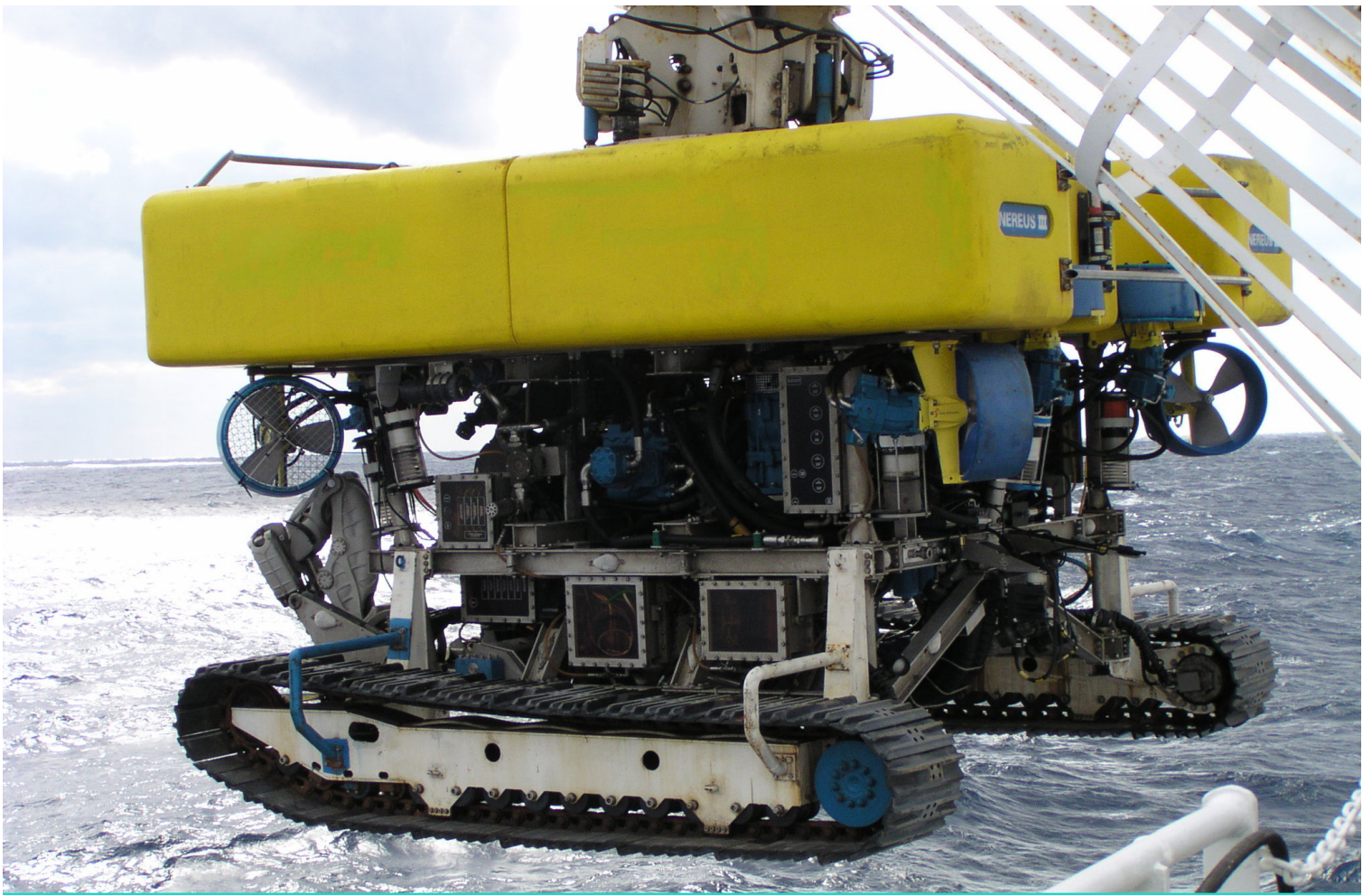




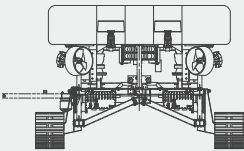
# SMD NEREUS

## ROV SPECIFICATIONS

Nereus III / Nereus IV

The 300 kW / 400 HP Nereus type is a highly flexible cable maintenance ROV system offering two modes of operation, “free flying” and “tracked,” and is capable of operating down to a water depth of 2,500 m.

The tracked mode requires significantly less hydraulic power for moving the vehicle forward and therefore allows more power to be directed to the jetting system. All of the power can be used to drive the thrusters when free swimming. When jetting, up to 250 kW of this hydraulic power is directed to drive the water pumps on the jet tool.

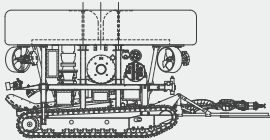


General Specifications

|                          |                                             |
|--------------------------|---------------------------------------------|
| • MANUFACTURER           | SMD (SOIL MACHINE DYNAMICS LTD) UK          |
| • TYPE                   | Cable maintenance remotely operated vehicle |
| • RATED WATER DEPTH      | 2,500 m                                     |
| • POWER                  | 300 kW / 400HP                              |
| • CONFIGURATION          | Free fly & tracked modes                    |
| • BURIAL PERFORMANCE     | Up to 2 m standard                          |
| • THRUSTER CONFIGURATION | 4 Horizontal<br>4 Vertical                  |
| • DIMENSIONS FREE FLY    |                                             |
| Width                    | 3.2 m                                       |
| Length                   | 3.8 m                                       |
| Height                   | 2.5 m                                       |
| • VEHICLE WEIGHT IN AIR  |                                             |
| Free Fly                 | 8300 kg                                     |
| Tracked                  | 9500 kg                                     |

Jet Burial Tools

|                 |                                                      |
|-----------------|------------------------------------------------------|
| • WATER JETTING | 2×variable speed hydraulic drive, single stage pumps |
| Max Pressure    | 5 bar                                                |
| Max Flow        | 16,000 lpm                                           |
| • JETTER WIDTH  | variable up to 400 mm                                |



Surveillance Equipment

|                         |                                                                        |
|-------------------------|------------------------------------------------------------------------|
| • CAMERAS               | 3 color<br>3 monochrome                                                |
| • LIGHTS                | 2×150 W dimmable<br>10×150 W                                           |
| • PAN & TILTS           | 3×pan & tilts<br>2×rotators                                            |
| • SONAR                 | 1×Kongsberg MS1000 OA<br>Optional Upgrade 2×Tritech Sea King Profilers |
| • VEHICLE TRACKING      | 2×Responder/Transponders                                               |
| • CABLE LOCATION SYSTEM | TSS 440/350 Dualtrack Cable Tracking System                            |

Cable Tools Package

|                |                                                             |
|----------------|-------------------------------------------------------------|
| • MANIPULATORS | 2×Schilling Orion Extended Reach 7 function rate controlled |
| • CUTTERS      | Webtool HCV100 cable cutter                                 |
| • CLAMP        | PSSL TA17 Cable Gripper 17-100 mm                           |

Data provided for comparison purposes only. Complete system specifications available on request.

