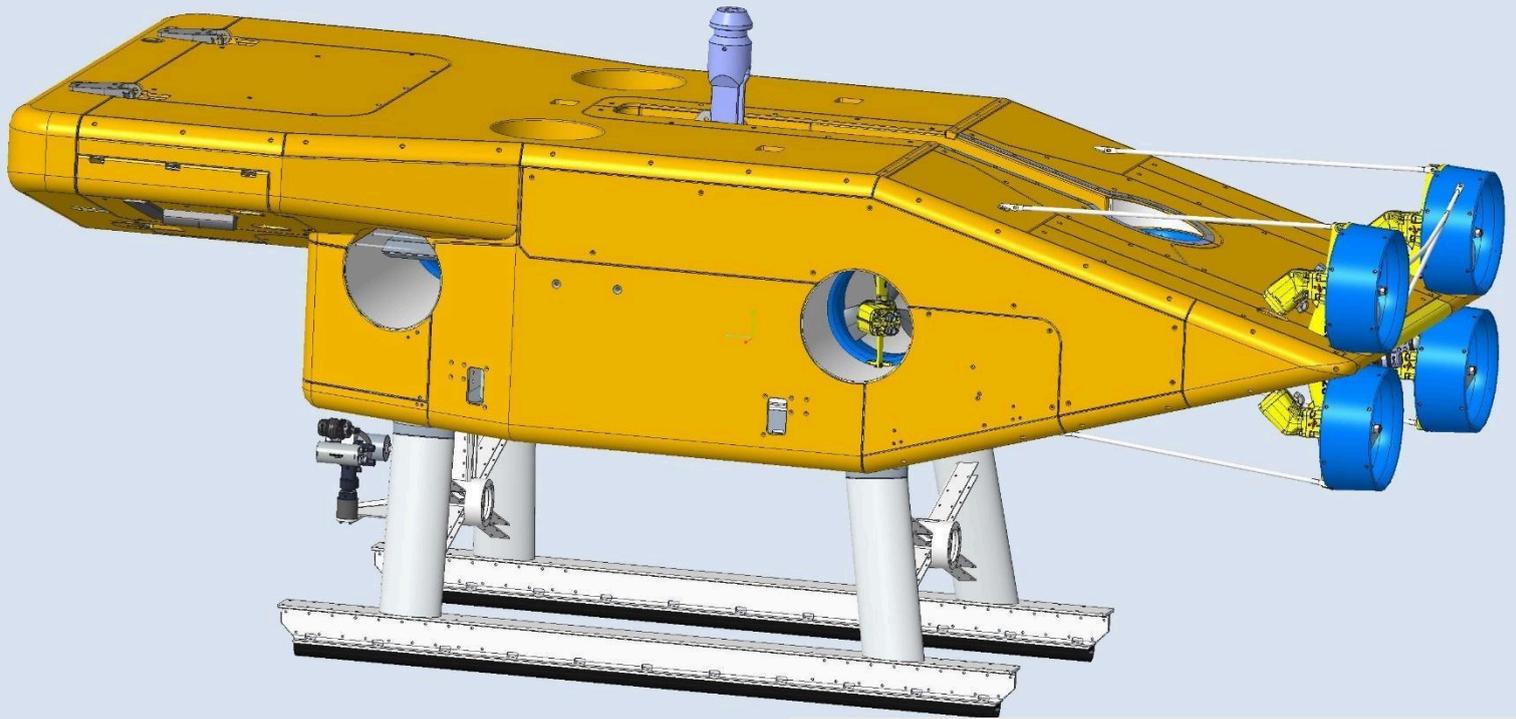


HIGH SPEED SURVEY REMOTELY OPERATED VEHICLE

HSS-ROV SUPERIOR



The **HSS-ROV SUPERIOR** is a fast survey class hydraulic ROV system, for survey down to 3000 meter water depth. The system is characterised by a compact and integrated mechanical architecture, powerful and accessible hydraulic functions and a user friendly real time control system. Thanks to its hydrodynamic shape, powerful propulsion and modular structure, the vehicle can reach very high survey speeds, though still ensuring best data quality.

KEY ROV FEATURES

- ◆ Hydraulic high-speed survey ROV (HSS-ROV)
- ◆ 3.000m depth rating
- ◆ 220hp pressure compensated electric motor
- ◆ Up to 6kn survey speed
- ◆ Over 3kn pipe/cable inspection speed
- ◆ Stable flying thanks to hydrodynamic shape
- ◆ Auto-tracking and station keeping
- ◆ Wide range of navigation and survey sensors
- ◆ Real-time CPU-based ROV, TMS & PDU control



GENERAL FEATURES AND SPECIFICATIONS

Depth rating	3.000 msw
Power	220 hp
Thrusters	4 horizontal thrusters - SR 420 3 vertical thrusters - SR 380 2 lateral thrusters - SR 380
Weight	4950 kg ca. incl skid & payload
Payload	700 kg with skid, standard sensors, cameras, lights & P&T installed
Dimensions	5562 x 2500 x 1300 mm [LxWxH] + 900mm height of skid
Survey speed	Up to 6 knots
Pipe/cable inspection speed	Over 3 knots
Auto functions	Heading, pitch, roll, depth, altitude
DP functions	Auto-track, station keeping
Mechanical utility interface	More than 1100 x 2000 x 600mm free space for utility equipment
Operating temperature	-20° to +45° C

EQUIPMENT

STANDARD EQUIPMENT

- Obstacle Avoidance Sonar
- Led lamps
- Video cameras
- Photo cameras
- Inertial Navigation System
- Altimeter
- Emergency strobe
- Transponder/Responder

SURVEY EQUIPMENT

- Single/Dual Head Multi-beam Echosounder
- HD camera(s)/ Still camera(s)
- Navigation system
- DVL
- Side Scan Sonar
- Sub-Bottom Profiler
- Pipe/Cable Tracker
- Reference Line Laser
- Pressure sensors

