AGEOTEC

executive & sales
via prati 1/1 - loc. ponte ronca
40069 zola predosa (bo) italy
phone: +39 051 6133382
fax: +39 051 6136159
cf/pi: 02428191205

underwater & oceanographic
technologies division
via dei baietti 34
22077 olgiate comasco (co) italy
phone: +39 031 990529
fax: +39 031 943564

Pegaso

Multipurpose ROV

On the basis of real needs of those people working with the ROVs,
AGEOTEC conceived a wide range of vehicles characterized by fundamental features, unique in the world scenery thanks to:

- Compactness and easy handling, due to a properly conceived control software, more powerful thrusters but smaller in dimensions, so as to allow an easy use even in adverse environment.
- Wide band" concept, applied as a rule to connection via cable, by means of the Fibre Optic use on vehicles, guarantees data transmission and communication of any kind of information between ROVS and the surface.
- Easy management and maintenance of vehicles, due to the supply of a complete kit of spare parts and to the use of very high quality components, easy to find all over the world, allowing to reduce the general costs of work, but increasing at the same time the value of initial investment at the highest levels.
- High customization in the attempt to meet the customer's request due to the particular modularity of the vehicles.

All this meets with passion and notable skill of technicians and engineers, as well as with the Company's availability to study together with the customer the features of the project to be carried out, so as to find most efficient solutions by using the most suitable instruments.

AGEOTEC

Structure / Frame and Fitting
Modular chassis manufactured in high impact resistant Polypropylene. This material is totally maintenance free and non-corroding. Any chassis member can be easily replaced and all the additional equipment may be bolted directly onto. Hard Anodized Aluminium loading frame and lift points, all pressure housing are manufactured in Aluminium Anticorodal 6060.

Hp and Propulsion
2 vertical and 4 vectored Tecnadyne 1060 DC brushless thrusters

Vertical thrust	100Kg
Forward thrust	140Kg
Lateral Thrust	90Kg

Payload
Adjustable between 40Kg and 60Kg

Umbilical
600mt free fly – 1500mt with TMS (150mt Tether)

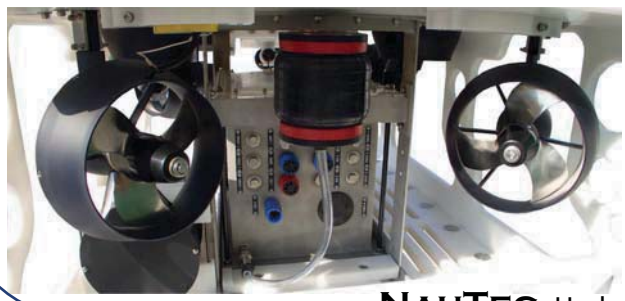
Buoyancy and Ballast
Glass reinforced epoxy floating (6 blocks) with apertures provided for n. 2 acoustic positioning transponder.

U. water tools / Manipulator
Skid with one or two multifunctional manipulators up to 7 function manipulator.

Camera / Video / Lighting
3 video-channels. Zoom, focus and still camera controls provided as standard.
High Resolution Monochrome Camera, 570TVL, 0,001LUX, 1/3ccd and High Resolution Colour Camera, 480LTV, 0.1Lux, 1/3CCD.
2 x 250W halogen lamps lighting line and 2x24VDC led lamps lighting line with control intensify regulators are available as standard on two individual controlled channels.
Pan&Tilt with feedback position displayed on pilot monitor is standard. Joystick's control provides an accurate tilt angle.

Instrumentation
Optional CP Probe, Inertial Navigation System, Multi-beam Echosounders, Panoramic sonar, Dual head profiler system, Bathymetric system, Altimeter, Pipe Tracker, Current-meter or underwater metal detector can beinstalled, their value can be displayed also on pilot monitor.

Navigation / Tracking
Fluxgate compass unit with solid state rate gyro sensor provides high azimuth stability; electronic depth sensor; Auto-heading and Auto-depth functions are standard.



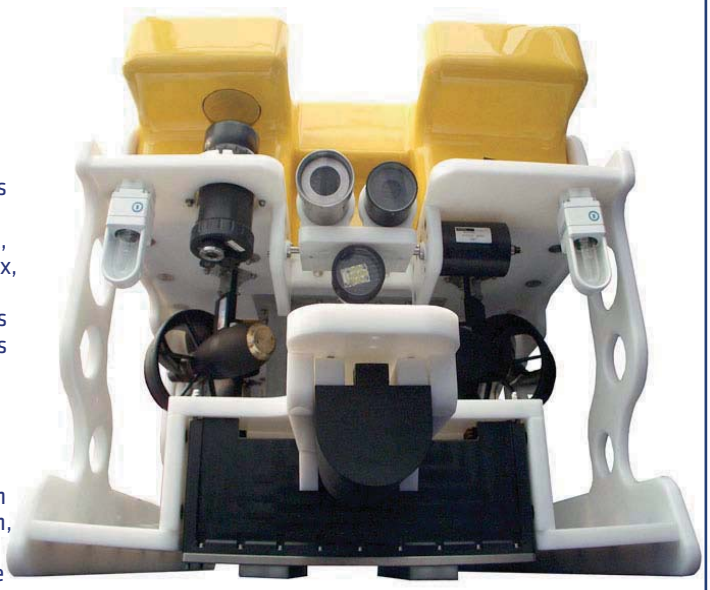
System Dimension

	ROV	6 U CONSOLLE		METAL CABINET	
		w. cover	w/o cover	Freq. V. Conv.	Power Cabinet
Length	1500	550	540	600	600
Width	1000	770	570	800	600
Height	800	320	310	1200	1500
Weight in Air	400	-	22.0	350	200

Operation Depth 1500mt

Deployment System
Optional LARS and TMS

Surface Control Unit
The surface electronic control is fitted in 6U rack and power supply for vehicle is fitted in n.2 metal cabinets a power Cabinet and a Frequency V. Cabinet (see above System dimension table).
The NauTec video overlay as standard provides digital compass data, date, time, tilt icon position depth, CP probe or Metal detector value.
Vehicle equipment data may be exported to clients's survey & navigation computer. All the instrumentation data fitted on board of ROVs converted by fibre optic Demultiplexer.
Note: Pilot monitor and video-recorder system are not included.



Vehicle Power requirements
400 VAC 3-phase 50Hz 35KW - Rov 3-phase outlet skid and TMS (other standard on request)

Operating / maintenance Crew 2/3 person

Additional data
Options include: LARS (launch and recovery system); TMS (tether management system); ROV control cabin; SIT camera; colour camera; sonar system, CP Probe; underwater metal detector, acoustic positioning system; multifunction manipulator, spare kit; technical training program; special configuration to satisfy clients's requirements

**subject to change without notice*