



**Oceaneering International
Asia Region**

**REMOTELY OPERATED VEHICLES
(ROV)
RATE SCHEDULE**

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Asia Region ROV Rate Schedule 2010
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1.0 HYDRA[®] MAGNUM 100 HORSEPOWER ROV SYSTEMS

Oceaneering's Hydra[®] Magnum was designed to support the fast growing deepwater drill support and construction market in the Gulf of Mexico and continues that support today. Its simplistic design and redundant electrical / hydraulic systems make it extremely dependable. Deployed from a side entry cage with up to 600-foot excursion tether and the attachment of work packages to the ROV or cage system enhance its ability to perform multiple sub-sea tasks. It can perform a full range of tasks in drilling, well completion, construction, inspection and salvage markets. The Hydra[®] Magnum has an extensive track record of high reliability and performance in support of deepwater projects.



- Hydra[®] MAGNUM, 75/100 horsepower ROV;
- Rated to 8,250 FSW (2,500 MSW);
- Deck winch with fiber optic, armored umbilical;
- Hydraulically controlled A-frame 48" head sheave;
- Subsea deployment cage with lighting and video (side entry with maximum 600 feet of flying tether);
- Super VHS recorders and monitors;
- Digital video display software with "Picture in Picture" video;
- Video switching system;
- Fiber optic video and data transmission;
- High resolution, Super VHS, color CCD camera;
- Black & white ultra low light camera;
- Aft facing, black & white, CCD camera;
- Manipulator mounted, black & white, CCD camera;
- High resolution colour imaging sonar;
- Altimeter;
- Gyro compass (with magnetic heading sensor back-up);
- Paroscientific "Digiquartz" precision depth sensor (with strain gauge back-up);
- Auto depth/auto heading/auto altitude with full-time bathymetry display;
- Dual manipulators: 2 x 7-function, or 1x 7-function and 1x 5-function;
- Hydraulic cutter for wire rope (up to 1.25" diameter);
- Hydraulic cutter for fibre rope (up to 1" diameter);
- Stanley TPO-3 dredge/jet pump;
- Ring gasket replacement tooling;
- Hydraulic rotary grinder/cutter/buffer;
- Control van;
- Maintenance van;
- Complete inventory of system spares including tether;
- Mechanical and electronics tools and test equipment;
- Diesel or Motor Generator.

Daily rate for standard Hydra[®] MAGNUM package **US\$ 4,680.00 per day**

2.0 HYDRA[®] MAGNUM PLUS 170 HORSEPOWER ROV SYSTEM

Oceaneering's Hydra[®] MAGNUM PLUS Remote Operated Vehicles are Oceaneering's latest design in high-thrust, fully work capable systems offering higher horsepower and payload capacity with a standard MAGNUM foot print. The ROV is designed to perform a wide range of underwater intervention tasks that support oil and gas drilling, construction and production activities.



The Hydra[®] MAGNUM PLUS can also be fitted with a wide variety of sensors for detailed inspection work, and bolt-on work packages can be fitted to supplement the vehicles dual work manipulators to complete specialised intervention tasks.

- Hydra[®] MAGNUM, 170 horsepower ROV;
- Rated to 10,000 FSW (3,000 MSW);
- Deck winch with fiber optic, armored umbilical;
- Hydraulically controlled A-frame 48" head sheave;
- Subsea deployment cage with lighting and video (side entry with maximum 300 meters of flying tether);
- Super VHS recorders and monitors;
- Digital video display software with "Picture in Picture" video;
- Video switching system;
- Fiber optic video and data transmission;
- High resolution, Super VHS, color CCD camera;
- Black & white ultra low light camera;
- Aft facing, black & white, CCD camera;
- Manipulator mounted, black & white, CCD camera;
- High resolution colour imaging sonar;
- Altimeter;
- Gyro compass (with magnetic heading sensor back-up);
- Paroscientific "Digiquartz" precision depth sensor (with strain gauge back-up);
- Auto depth/auto heading/auto altitude with full-time bathymetry display;
- 2 x 7-function manipulators;
- Hydraulic cutter for wire rope (up to 1.25" diameter);
- Hydraulic cutter for fibre rope (up to 1" diameter);
- Stanley TPO-3 dredge/jet pump;
- Ring gasket replacement tooling;
- Hydraulic rotary grinder/cutter/buffer;
- Control van;
- Maintenance van;
- Complete inventory of system spares including tether;
- Mechanical and electronics tools and test equipment;
- Diesel or Motor Generator.

Total day rate for standard Hydra[®] MAGNUM PLUS package **US\$ 5,340.00**

3.0 HYDRA[®] MINIMUM OBSERVATION ROV SYSTEM

The Hydra Minimum was designed by Oceaneering with the concept to complement the Magnum or Millennium ROV series by attaching beneath the Work Class ROVs cage tether management system and lowered to depth with the Work Class ROV. It has its own tether management system with a 1,000' of tether capacity. It can operate independently from its host and assist with additional viewing angles during the installation phase of subsea hardware as well as providing detailed inspection of areas where a work class ROV may not have access. Moreover, it provides a level of contingency during critical phase drilling operations such as well spud-in and BOP installation. It is integrated into and operated from the work class ROV's control container, thus saving on physical space and any additional mobilization time for as secondary ROV unit. The Minimum can also be provided as a stand alone unit upon request.



- Rated to 10,000 FSW
- Thrusters- 4 x 45° vectored / 2 x vertical
- 50lb additional payload
- 2 x video connections
- 1 x Pan & tilt unit, electric
- 1 x Color camera
- 1 x Black & white camera
- Simrad/Mesotech MS 900 sonar
- Control Console
- Fiber optic data / video transmission
- 2 x 250 watt lights
- Side Entry TMS
- 1,000' tether capacity

Total day rate for standard Hydra[®] MINIMUM package **US\$ 2,790.00**

4.0 SPECTRUM LIGHT WORK ROV SYSTEM



The SPECTRUM represents a new generation of Oceaneering's fleet of light work class remotely operated vehicles (ROV) with deepwater capabilities to 2,000 meters. Reliable and easy to maintain, the ROV is a high thrust, cage deployed system to accommodate light underwater intervention tasks in support of oil & gas drilling, construction and production activities.

The SPECTRUM is based on the Super Mohawk light work class ROV system and is combined with Oceaneering's latest ROV control system, OPAC (Oceaneering Power and Control) which includes the latest electronics technology and onboard diagnostics. The SPECTRUM is provided in a small package for reduced deck footprint and ease of mobilization and demobilization.

- Rated to 6,500 FSW
- Thrusters- 4 x 45° vectored / 2 x vertical
- 100 lb additional payload
- 3 x video connections
- 1 x Pan & tilt unit, electric
- 1 x Color camera
- 1 x Black & white camera
- 1 x Tritech sonar
- 2 x 250 watt lights
- Auto functions- heading/depth
- Side Entry TMS with:
- 800' tether capacity (maximum)
- Control/Work Container:
- Launch & Recovery System:
- Umbilical Winch

Total day rate for standard SPECTRUM package**US\$ 3,120.00**

5.0 ROV PERSONNEL

Personnel manning levels for ROV systems are based on Oceaneering's policy for the safe and efficient operation of Work Class ROV systems. The following ROV team sizes would be required for the safe and efficient operation of each ROV system:

	Personnel	Total
12 Hour Operations:	1x ROV Supervisor; 2x ROV Pilot/Technicians.	3 Man Crew
24 Hour Operations:	2x ROV Supervisors; 4x ROV Pilot/Technicians.	6 Man Crew

Maximum crew rotation is every twenty-eight (28) days.

Basic Crew Requirement for 12 Hour per Day Operations:

	<u>12 Hour Day</u>	<u>Overtime</u>
One (1) Supervisor	US\$ 2,880	US\$ 300/hour
One (1) Electronics Pilot/Technician	US\$ 2,590	US\$ 300/hour
One (1) Mechanical Pilot/Technician	US\$ 2,590	US\$ 300/hour

Additional Crew for 24 Hour per Day Operations

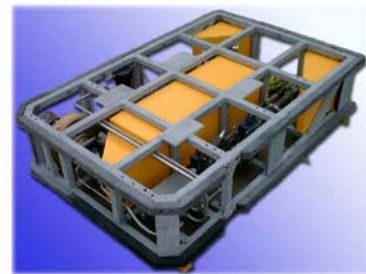
	<u>12 Hour Day</u>	<u>Overtime</u>
One (1) Supervisor	US\$ 2,880	US\$ 300/hour
One (1) Electronics Pilot/Technician	US\$ 2,590	US\$ 300/hour
One (1) Mechanical Pilot/Technician	US\$ 2,590	US\$ 300/hour

6.0 ROV TOOLING

Oceaneering's Deepwater Technology Solutions (DTS) group provides engineering and equipment connecting the operational link between a Remotely Operated Vehicle (ROV) and permanently installed equipment located subsea. The individual product and service lines for Deepwater Technology are Industry Standard Tooling, Custom ROV Tooling, Emergency Intervention Tooling, ROV and Handling Systems, and Pipeline Burial Equipment. Our ability to offer this wide range of tooling packages further amplifies the commitment to being the worldwide leader in deepwater intervention.

Oceaneering's DTS division stocks over 90 different subsea tooling items under the following general categories:

- Data Acquisition and Electrical Tooling;
- Intervention Packages & Skids;
- Manual Tooling;
- Mechanical / Hydraulic Tooling.



7.0 COMMERCIAL CLARIFICATIONS

Definitions

COMPANY	the Company to whom CONTRACTOR is submitting this TENDER and, when appropriate, COMPANY's client.
CONTRACTOR	Any of the companies within the Oceaneering group whose parent Company is Oceaneering International Inc.
UNIT	The unit (ROV support vessel, barge, survey vessel, supply boat, Rig, MODU, Platform, etc.) from which the services will be performed.

Clarifications

1. Provision of ROV services are subject to a mutually agreed form of contract such as Oceaneering's Day Work ROV Contractor or IMCA R008.
2. CONTRACTOR reserves the right to assign ROV contracts to any Company (entity) within the Oceaneering Group of Companies.
3. CONTRACTOR's liability for non-performance is limited to suspension of rates.
4. CONTRACTOR reserves the right to require a Bank Guarantee, or other Surety of Payment from COMPANY, prior to starting work for these services.
5. Rates quoted are inclusive of all basic ROV consumables but are exclusive of video tapes, photographic material, CDs, DVDs and any yet-to-be-identified "job-specific" consumables which will be recharged at **Documented Cost +25%**.
6. **ROV System Rates** apply from the date of delivery quayside in port of mobilization and continue until date of return to quayside at agreed port of demobilization upon completion of the contract.
7. **ROV Personnel Daily Rates** commence date of departure from country of origin/home base of origin and will continue until date of return thereto for either crew change or demobilisation and will not be subject to pro-rata payment on those days.
8. COMPANY shall provide the following services on the UNIT free of charge:-
 - stable power supply to connect CONTRACTOR's equipment to that supply;
 - other "offshore services" i.e. air, water and diesel oil as required for CONTRACTOR's equipment;
 - accommodation and victualling for CONTRACTOR's personnel;
 - communications and broadband services (voice, e-mail and VOIP) installed to CONTRACTOR's ROV Control Van for bona-fide business purposes. In the event

that COMPANY is unable to provide communications services to CONTRACTOR's ROV Control Van, CONTRACTOR reserves the right to install dedicated communications facilities and invoice COMPANY at **US\$ 86.00 per day** for these services;

- offshore craneage and transportation for CONTRACTOR's personnel and equipment.
9. Payment of all invoices shall be made in US Dollars into our nominated bank account within 30 days of submission of invoices. It is herein expressly agreed and recognized that with regard to payment time is of the essence. Interest will be charged at a rate of 1.5% per month on any unpaid undisputed monies thereafter. Contractor shall have the right, upon ten (10) days prior written notice, to terminate the Contract if Company fails or refuses to timely pay Contractor amounts due and owing to Contractor.
 10. Any additional equipment that may be required will be charged at agreed day rates door-to-door CONTRACTOR's base of origin and mobilisation/demobilisation will be reimbursed at **Documented Cost +15%**.
 11. CONTRACTOR will be responsible for ROV downtime except for the allowance as stated below. CONTRACTOR considers downtime to be any time we are called on to make a dive and unable to respond, or become inoperative during a scheduled/requested dive. The ROV system rates will cease until the ROV system is in a state of dive readiness. If a component or subassembly of the ROV system is not operative but the ROV is capable of performing the requested tasks, the ROV is considered to be operational. CONTRACTOR's liability for downtime will not extend beyond CONTRACTOR's own ROV system equipment and will specifically exclude rig, vessel, barge, or COMPANY's other facilities downtime. Personnel rates and additional equipment rates will continue to apply, uninterrupted, during periods of ROV downtime.
 12. CONTRACTOR requires a period of two (2) hours for each twenty-four hour period in which the ROV is in the water and normal maintenance cannot be performed. This time will be used to effect repairs and/or maintenance without penalty to CONTRACTOR and daily rates will apply. If unused this R & M time will be cumulative to a maximum of twenty-four hours per month.

In addition, CONTRACTOR requires any time that may be necessary to carry-out a re-termination or replacement of the ROV System's main lift umbilical and/or flying tether as and when CONTRACTOR's offshore representative determines that a re-termination or replacement is mandatory for the safe and efficient operation of the ROV system. This time taken to effect umbilical and/or tether re-termination or replacement will be without penalty to CONTRACTOR and daily rates for both equipment and personnel will be chargeable to COMPANY by CONTRACTOR during the time taken for the re-termination.

13. In the event CONTRACTOR's ROV, including its umbilical, cage and ancillary subsea equipment and components, becomes lost, entangled, disconnected or otherwise damaged while in the water at or near the work site, COMPANY shall, as requested by CONTRACTOR, and at COMPANY's expense, provide fishing and recovery means required. COMPANY shall be responsible for all recovery, repair and/or replacement costs incurred by CONTRACTOR at such time.
14. CONTRACTOR will not be responsible for the quality of video reporting or intervention capabilities negatively affected by poor visibility, loop currents, or other adverse metocean conditions at the worksite.
15. Should CONTRACTOR damage and have to cut back the ROV tether or main lift umbilical, COMPANY will be invoiced at **US\$ 190 per meter**. In the event that the tether or main lift umbilical is damaged beyond repair and is therefore no longer fit for purpose, COMPANY will be invoiced for replacement of the tether or main lift umbilical at **Documented Cost +25%**.
16. CONTRACTOR would propose to project manage these services from our operational headquarters in Singapore and Batam Indonesia. It would not be our intention to have a dedicated project manager in the country or in the area of operations. CONTRACTOR requires reimbursement at **Documented Cost +25%** for the attendance of any project related meetings outside of Batam or Singapore.
17. All rates are quoted in US Dollars and CONTRACTOR requests payment in the same currency.