

Observation and Inspection Class ROV With 4 functions hydraulic manipulator.



The Seaeye Tiger is widely regarded as the leading observation and inspection Remotely Operated Vehicle within the oil and gas industry.

The TIGER is a vehicle system designed for operations in conjunction with its Tether Management System (TMS), to a depth of 1000m and provides the user with a powerful performance envelope for a vehicle of this class.

**Specifications :**

Maximum working depth	1000 m
Weight	150 kg
Payload	32 kg
Thrust forward	62 kgf
Thrust lateral	43 kgf
Thrust vertical	22 kgf
Speed Fore/aft	3.0 knots
Lateral	2.0 knots
Tether length	140 m
Armoured lifting umbilical	700 m



The Tiger ROV is operated from Tether Management System (TMS) with 40m of tether (700m of armoured lifting umbilical)

TMS enables the vehicle to reach its working depth much quicker and eliminates the considerable drag effect of the umbilical on the vehicle which provide more efficiency to the operation. The TMS is raised or lowered using the LARS winch assembly and armoured main lift cable.

The Tiger ROV is deployed from a single skid consisting of an integral winch, crane and power pack.

Classification : zone 2 rating



**The vehicle contains the following equipment :**

- Sonar SV2000 : The operating frequency is 500 kHz which provides a maximum range of 100 metres.
- SIT camera on tilt Unit: SIT cameras has a wider angle of view and can operate in conditions where low light levels or poor visibility exist.
- Seaeye Colour Cameras on tilt Unit.
- Electrical Tilt unit  $\pm 90$  degrees Max two cameras, position feedback displayed on video
- Digital Depth Gauge
- Fluxgate Compass
- Auto Pilot (Auto depth & auto heading)
- 2 Lights

**Power requirements :** 3 phase 380 to 480Vac / 50 KVA

**Zone 2 A60 Control Shack**

**Zone 2 Crane Launch & Recovery System (LARS):**  
Comprising TMS, main umbilical winch with up to 700m armored lift umbilical

**Optional Equipment :**

- 4 Functions hydraulic manipulator
- Flooded Member Detection (FMD)
- CP Equipment (Direct Contact & Proximity)
- Wall thickness measurement (UT)
- Bathymetric Surveys
- Cleaning (powered wire brush)
- Digital Stills Camera
- Dye detection equipment
- Tracking systems
- Zoom camera

## GAUNTLET Plus 4 functions hydraulic manipulator



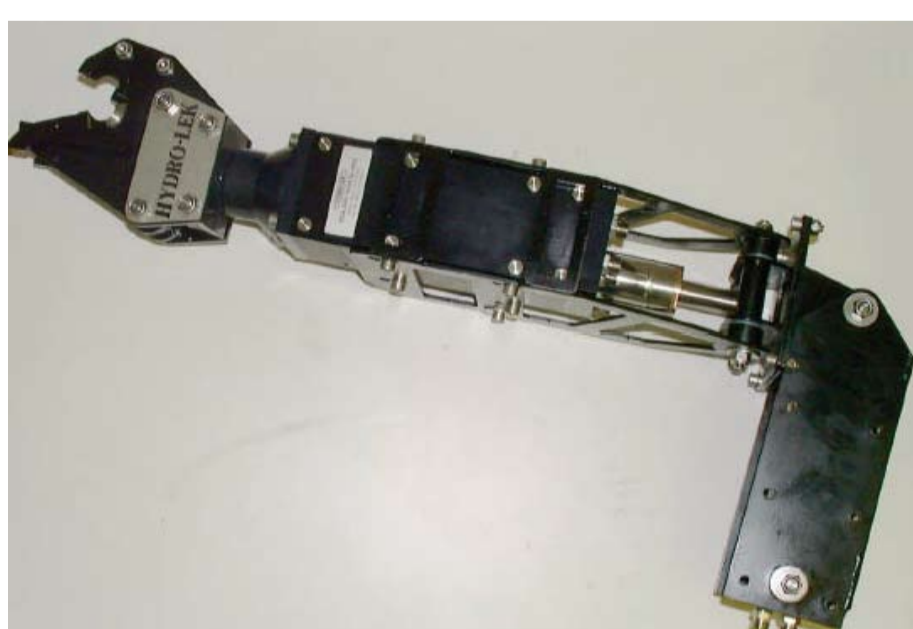
The Tiger can be launched with HLK-MB4 Manipulator arm HLK-MB4 Manipulator is an utility class arm, it incorporates the HLK-2020 continuous rotate jaw actuator which has a jaw opening of 154mm together with the unique open jaw soft rope cutter built in to the outside of the jaws.

**Specifications :**

Dimensions Length of arm	630 mm
Length of slew plate	154 mm
Height	125 mm
Width	100 mm

**Capacities :**

Jaw Rotate	Continuous
Jaw Torque at 140 bar	40 Nm
Arm Lift capacity at 140 bar	40 Kg



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