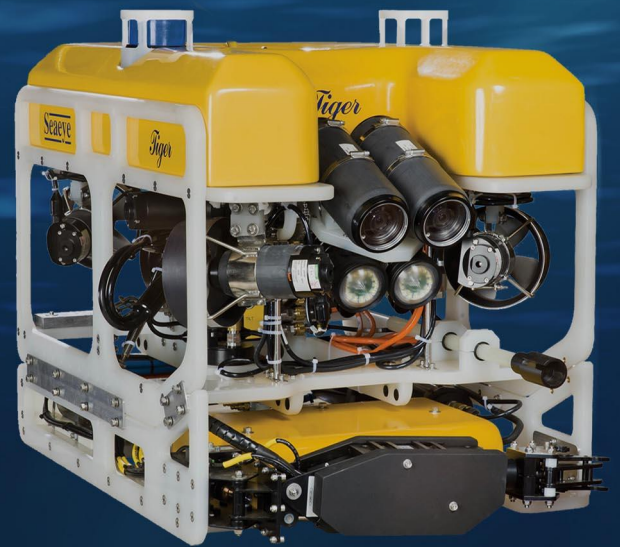


## About

Film-Ocean is an independent subsea contractor providing ROV inspection and intervention services. We specialise in providing innovative, cost effective subsea solutions to the global oil and gas industry and have an extensive track record in performing subsea integrity inspections on floating and fixed structures from the asset or support vessel with a fleet of high specification ROV's.

# Inspection Class Seaeye Tiger ROV System



## Product Overview

Film-Ocean's Seaeye Tiger ROV system comes complete with a HIAB launch Tether Management System (TMS) making it ideal for vessel or platform inspections. With the added benefit of standard three phase subsea power distribution this allows for easy integration of a subsea water jetting skid and other enhanced tooling packages.

The Tiger and its accompanying garage Tether Management System (TMS) are deployed from a Launch and Recovery System (LARS).

This system consists of an integral Winch, Crane/A-Frame and Hydraulic Power Pack. This gravity base LARS is designed to be rapidly mobilised and is even able to work from a fixed platform without the need for a welded attachment to a deck to a working depth of 300msw. When welded the ROV can be deployed to its full operating capacity of 1000m. The system has been upgraded to allow for multiple fibre optic passes from vehicle to surface allowing for simple integration of gigabit ethernet devices and high definition video cameras.

# Tiger ROV Specification

**Power:** 380-480Vac 50/60hz, 60KVA nominal

**Vehicle Dimensions:** Length x Width x Height: 1.03m x 0.59m x 0.70m

**Weight:** 150kg

## ROV

- Video Channels 3 simultaneous via fibre optic
- Cameras 1 x lowlight monochrome, 1 x colour (High definition available)
- Tilt Unit Electrical Tilt unit  $\pm 90$  degrees
- Lighting 2 x dimmable LED (mounted under tilt unit)
- Tritech Super Sea King Dual Frequency Scanning Sonar
- Compass Flux-gate with solid-state rate stabilisation sensor Accuracy  $\pm 1^\circ$ , Resolution  $0.35^\circ$
- Depth gauge Electronic pressure sensor Accuracy  $\pm 0.1\%$
- Auto Pilot Auto Depth and Auto Heading
- Other Options Digital Stills Camera, CP System, FMD, mini-beacon, UT system, Leak Detection System, Gyro and Survey grade depth sensor, manipulator skid, water jetting, chain measuring

## Launch and Recovery System (LARS)

- Classification BS EN 12079 : 1999
- Shipping weight: 10 tonnes
- Max outreach: 4.4m from edge of skid
- Dimensions: Length 3.65m x Width 2.35m
- Dynamic design factor: 3G

## Tether Management System (TMS)

Seaeye Marine Garage Type 2 with up to 140m of umbilical.

## Umbilical Winch

- Max line pull at core: 1300Kg
- Capacity of 32mm armoured umbilical: 1.1m
- Line Speed: 0-30 metres/minute

## ROV Control Container

- Dimensions: (Typical) Length 4.5m x Width 2.4m Height 2.6m
- Weight 8 tonnes
- Classification DNV 2.7-1 / EN 12079
- Equipment Fit Zone 2
- Transformers 1 x isolation for ROV 1 x domestic supplies
- ROV Control Unit Rack mounted control system with ROV Hand Controller
- Sonar Processor Rack mounted PC-based
- Video System 6 x Monitors
- HDD-DVD recorders and DVR system
- Video Overlay Date, time, heading, depth, tilt angle, auto functions, turns counter, CP

## ROV Performance

- 62 kgf Forward Thrust
- 43 kgf Lateral Thrust
- 22 kgf Vertical Thrust