



## Work Class Remotely Operated Vehicle

### Perry Slingsby Triton XLR 125 HP

Work Class Remotely Operated Vehicle (ROV)  
Perry Slingsby Triton XLR is equipped with the 125 HP HPU. The ROV is depth rated to 3,000 m and has 7 and 5-function manipulators to perform subsea operations.

The ROV system can be installed both in a specialized hangar and on the open deck of a vessel or a drilling rig. Topside equipment and ROV pilots workplaces are located in the 20 ft. control container.

Triton XLR have the 700 m of tether and 3,300 m of umbilical on the main winch.

All additional equipment on ROV is 3,000 m depth rated.

The system was completely rebuilt in 2016.

The vehicle can withstand high currents, due to the high power of the thrusters.

It is possible to connect a wide range of additional equipment. The reconfiguration of the system is quick due to the Innova Matrix Mk II MUX capabilities. Wide range of hydraulic tools and skids could be connected the vehicle.

The system includes launch and recovery system (LARS) to deploy ROV and TMS.

MAGE is ready to provide service across all types of ROV worksopes: drill support during construction of offshore wells, inspection of underwater pipelines, construction support, IRM, survey, cable/pipe lay support, decommissioning etc.



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### Tether Management System (TMS)

ROV spread include Perry Slingsby Type 5A TMS.

### Manipulators

Schilling Titan 4, 7 function, position control  
Perry Slingsby TA60J, 5 function

### Tooling interface

125 HP hydraulic power pack:

#### Main hydraulic system:

- 230 lpm nominal flow, 240 bar nominal pressure
- Main hydraulic manifold, 12 x NG3 valves  
(15 lpm solenoid DCV or 8 lpm proportional DCV)

#### Auxiliary hydraulic system:

- 70 lpm, 210 bar nominal pressure
- AUX hydraulic manifold, 12 x NG3 valves  
(15 lpm solenoid DCV 8 lpm proportional DCV)
- NG6 hydraulic manifold, 2 x NG6
- High flow hydraulic manifold, 2 x high flow P/O cartridge check



### ROV control

ICE real time control system with GHz optical link, Ethernet telemetry and graphical diagnostics.

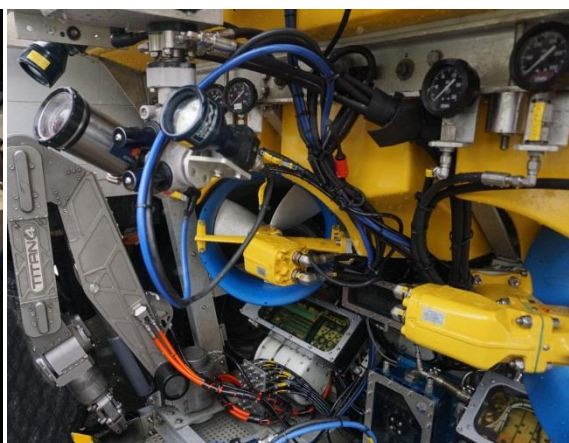
The standard ROV includes the capability for simultaneously transmitting as a minimum:

- Eight (8) real time SD video signal (NTSC, PAL)
- One (1) Ethernet channel (devoted to vehicle control)
- Fifteen (15) each full duplex RS-232 data channels (software selectable to half duplex RS485 using surface and subsea local serial isolators)
- One (1) audio channel
- Six (6) spare CWDM wavelengths (for high bandwidth survey equipment expansion – HD cameras, multibeam and 3D sonars, sub bottom profilers, etc.)
- Dedicated Serial & Power Channels for Gyro, Digiquarts, Altimeter/DVL, Sonar, Manip, Responder Trigger, Manifolds

Extra data and video channels is accessible through the Innova Matrix MK II Fibre Optic Telemetry System

## Perry Slingsby Triton XLR 125 HP

<b>ROV</b>	
Manufacturer	Perry Slingsby Systems, Ltd. (UK)
Type and serial number of the spread	Triton XLR 03
ROV frame serial number	TR 530/10
Production year	2010
Depth rating	3000 m
Length	2.77 m
Width	1.70 m
Height	2.05 m
Weight in air	4000 kg
Payload in seawater	150 kg
Through frame lift	3000 kg
<b>ROV thrust</b>	
Horizontal thrusters	4 x Sub-Atlantic SA-380
Vertical thrusters	3 x Sub-Atlantic SA-380
Horizontal and vertical bollard pull	975 kgf
Surface speed	Horizontal 3.9 kn Lateral 3,4 kn Vertical 3,7 kn
HPU power	125 HP
<b>ROV controls</b>	
Type	ICE, real time
Compass	CDL TOGS fiber optic
Depth	Depth sensor
Altimer	200 kHz range 30 m
<b>System power requirements</b>	
Main power	420-480 V, 60 Hz, 3 phase, 350 kVA
Surface domestics	420-480 V, 60 Hz, 1 phase, 32 A
<b>Manipulators</b>	
7-function	Schilling Titan 4, position control
5-function	PSSL TA60J, rate control
<b>Emergence equipment</b>	
Emergency xenon flasher	1 pc
Subsea tracking beacon	1 pc





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<b>Tether management system - TMS</b>	
Manufacturer	Perry Slingsby Systems, LTD (UK)
Type	TMSL 135
Serial number	TR1053/11
Production year	2011
Cable length	700 m (for 35 mm tether)
Size	Diameter 2025 mm, height 2215 mm
Slip ring	Electrical Optical Focal Technology mod 190 3 x quad / 2 coax / 3 fiber optical rotary joints SM
HPU	Motor 5 HP, 2400 V, 3 phase 60 Hz

<b>Control container</b>	
Manufacturer	BNS Container AS (Norway)
Serial number	BNSU 209011 0
Production year	2015
Standard compliance	A60, DNV 2.7-1, CSC
Length, Width, Height, Weight	6.058 m, 2.438 m, 2.743 m, 8600 kg
HVAC	17 kW
Incoming supplies	1 x 440 V 60 Hz, 3 phase

<b>Control container components</b>	
ROV control console (joystick, switchers, buttons)	1 pc
Touchscreens (in ROV control console)	2 pc
Clearcomm (in ROV control console)	1 pc
Video matrix (in ROV control console)	1 pc
ROV control PC (in ROV control console)	2 pc
Object avoidance sonar control PC (in ROV control console)	1 pc
Visual Soft Video recording PC (in ROV control console)	1 pc
Uninterrupted Power Supply (in ROV control console)	2 pc
ROV control Rack	2 pc
Widescreen monitors (ROV video feed)	4 pc
Navigation monitor	3 pc
ROV Electric distribution	1 pc
ROV electric transformers (Separate compartment)	1 pc
ROV supervisor workplace	1 pc



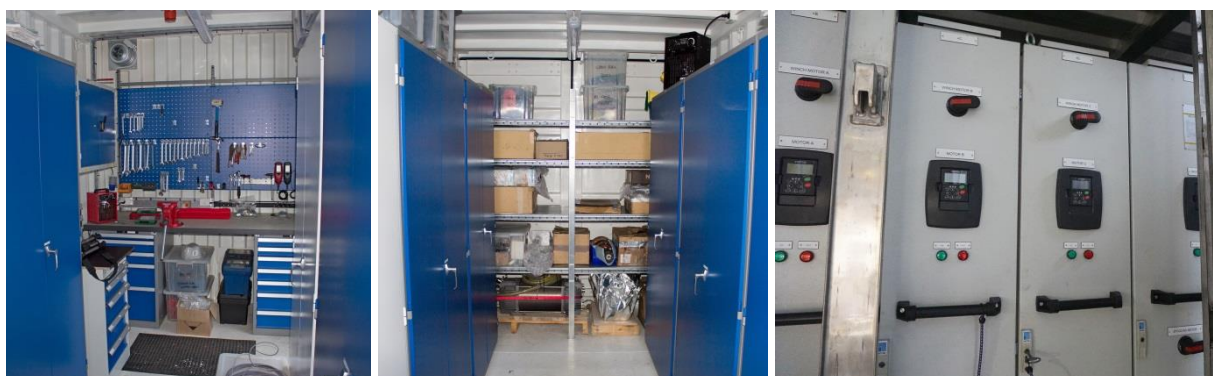
## Perry Slingsby Triton XLR 125 HP

<b>Workshop container</b>	
Manufacturer	BNS Container AS (Norway)
Serial number	BNSU 209017 0
Production year	2015
Standard compliance	A60, DNV 2.7-1, CSC
Length, Width, Height, Weight	6.058 m; 2.438 m; 2.743 m; 8600 kg
HVAC	17 kW
Incoming supplies	1 x 440 V 60 Hz, 3 phase

<b>Main winch</b>	
Manufacturer	CETIX AS (Norway)
Type	Weverunner 13R AHC electric
Serial number	500164
Production year	2010
Length, Width, Height, Weight	4.8 m; 3.7 m; 3.2 m; 36,000 kg
Drum Capacity	3300 m (35 mm cable in 12 layers)

<b>Electric cabinet</b>	
Manufacturer	CETIX AS (Norway)
Type	Reel Control Cabinet
Serial number	500164-01A
Production year	2010
Length, Width, Height, Weight	3.2 m; 1.0 m; 2.7 m; 2820 kg

<b>Breaking resistor</b>	
Manufacturer	A.C. Smith & Co AS (Norway)
Type	GAD – Breaking Resistor
Serial number	7775-10
Production year	2010
Length, Width, Height, Weight	1.55 m; 1.335 m; 2.152 m; 1800 kg



## Perry Slingsby Triton XLR 125 HP

<b>Launch and recovery system - LARS</b>	
Manufacturer	Sepro technology AS, SH Group
Type	HPL12-A-N
Serial number	4555
Production month, year	06.2010
Length	10.5 m
Width	2.5 m
Height	3.3 m
Weight	25,500 kg
SWL	12,000 kg
Reach	5.9 m
Power supply	440 V AC, 60 Hz
Power	55 kW

ROV Spread contains spares and tools for repair for maintenance on remote location.

