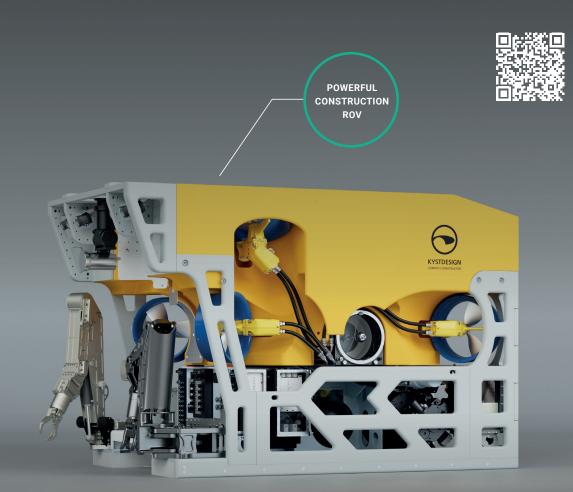
CONSTRUCTOR COMPACT.

A compact version of our trusted Constructor ROV, with high-flow capabilities.



The CONSTRUCTOR technology is refined from years of operational and "hands-on" experience by our designers. The top-side control system for KYSTDESIGN ROV's is designed with focus on providing an ergonomic, intuitive and efficient working environment. Single or dual operation stations can easily be configured to individual needs. Operator task priorities can be switched and shared between stations during operation.



The CONSTRUCTOR ROV accommodates up to 41 electrical connectors for interface of external equipment, such as tooling, survey sensors and cameras, and all electrical power supplies are ground-fault monitored. The ROV also accommodates 24 hydraulic functions, all proportionally controlled.

The ROV control system is prepared for a variety of auto functions like AutoPOS and AutoTRACK capabilities, in addition to over-the-horizon control from a Remote Operation Center (ROC) onshore.

SPECIFICATIONS, CONSTRUCTOR COMPACT

General:	
Power	160 Kw / 220 Hp
Depth rating ROV	3000 msw
Depth rating Buoyancy	3000 msw
Dimensions (L/W/H)	2845 / 1700 /1870 mm
Weight	~4400 kg
Payload	>250 kg
Through Frame Lift capacity	3000 kg
Thrusters	7 x SA380
Tillusters	7 X 3A360
Machanical Canacity and Into	prfo.co.
Mechanical Capacity and Inte	
Free space inside ROV for	Open area of approx. 460 L through the entire ROV,
utility equipment: Interface for work modules:	right in front of centre of gravity.
	Four docking receptacles underneath the ROV.
	Interface for Sensors and/ or modules by threaded
	inserts on all sides of the buoyancy element.
Manipulators:	Interface for Schilling T4, RigMaster and Atlas.
Hydraulic Capacity and Interf	aces:
Valve Pack No. 1	10 x Bi-directional Valves with proportional flow
valve r dokito. T	control, each with max flow 10 l/min. Pressure on
	VP controlled by VP No.3.
Valve Pack No. 2	10 x Bi-directional Valves with proportional flow
	control, each with max flow 10 l/min. Pressure on
	VP controlled by VP No.3.
Value Da al-Na O	*
Valve Pack No. 3	- 2 x Bi-directional Valves with proportional flow and
	pressure control, each with max flow 32 l/min
	- 2 x Directional valves with proportional flow and
	pressure control, each with max flow 150 l/min
	(optional flow meter)
Manifolds	Pressure and return manifolds mounted in front
	of the ROV.
	- 1 x Pilot operated high flow valve with max flow
	300 I/ min on AUX system
	- 1 x Pilot operated high flow valve with max flow
	300 I/ min on main system
Aux Cystom Consoity	260 bar, 300 l/min
Aux System Capacity	200 bai, 300 l/11iiii
T-1	and laboration and
Telemetry/Sensor Capacity a	
Telemetry Link	By default, the control pod and telemetry system are
	prepared for survey operations. Up to 3x fibre optic
	cables are available for communication (one in use).
	Total capacity in a standard system is 24x (expandable
	to 36x) serial channels, HD IP video and 4x composite
	video channels (optional 4x HD SDI). Included with
	4x Gb layer 1 Ethernet fibre multiplexer and optional
Power Distribution	a 10x port switch with a 10 Gb backbone fibre link.
	Everything runs on a single optical fibre.
	All power distributed to external users, such as lights,
rower distribution	cameras and sensors can be switched on/ off from
	the topside computer and are equiped with individual
	fuses. When a sensor is switched off, it's corresponding
	The state of the s
	subsea connector is galvanic isolated. Total available
	power 20A @ 115VAC. Available supplies:
	power 20A @ 115VAC. Available supplies: 115VAC, 24VDC, 48VDC, others on request.
Tool Interface	power 20A @ 115VAC. Available supplies:

Syro Interface	Connector type: MinM-26#20.
Sensor Interface	Connectors are prewired for user/survey equipment.
	Connector type: Min-K-10 - wired for 24 or 48VDC.
	Built in CP interface.
	Connector type: Min-K-8 - wired for 115VAC.
Camera and Lights:	
Camera Interface	10x Camera connections for IP video (HD-SDI & PAL
	supported).
	Connector type: Min K-10.
Pan/Tilt	Electrical
Light Interface	Capacity for ten dimmable lights, maximum load of
	30A. Each output secured by 6A breakers.
	Connector type: Seacon 5506-1503
Performance:	
Bollard Pull FWD/AFT	900
Bollard Pull LATERAL	850
Bollard Pull Vertical UP	800
Bollard Pull Vertical DOWN	900
Speed FWD	> 1,7 m/s
Speed LATERAL	> 0,9 m/s
and PDU are integrated in the Multiview Controllers Monitors	where all necessary controls for operating the ROV, TMS ne armrests system, microphone and channel selectors integrated in
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