Infrastructure name	**Liropus 2000**
Code	ROV Super Mohawk II
Owner/Institution	IEO
Manager	Jose Ignacio Diaz
Equipment type	ROV
System description	2000M General Class ROV, TMS,self contained LARS /WINCH.
WEB LINK	
WEB LINK TECH SPECS	
Vessels normally used	Ramon Margalef
Ship requirements	Dynamic Positioning (DP1)
Techical requirements	
Power	
Frequency	50hz/60 hz
Voltage	ROV&TMS 440V ac / LARS 400V ac
KVA	LARS 70kVA / Control Cabin&Workshop 75kVA / ROV&TMS 40 kVA
Max Amps	ROV&TMS 32A / LARS 100A
Other power requirements	
Hydraulic	
Pressure	
Flow rate	
Compressed air requirements	
Cooling water	
Subsea positioning requirements	
Compatible USBL systems	3X MST-324 Kongsberg Trasponders/2000m/45º
Vessel GPS Feed or other requirements	
Networking requirements	
No. of System configurations possible	1 configuration
Configuration 1	TMS, LARS/Winch, Starboard/port side or aft. Max depth 2000m
Configuration 2	
Configuration 3	
Configuration 4	
Deck Layout Drawing	
Configuration 1	
Configuration 2	
Configuration 3	
Configuration 4	
System weight/COG in each configuration	
Configuration 1	Total 24 T. TMS+LARS+ROV 19 T. CONTROL/WORKSHOP CONTAINER 20' 5 T. ROV 415 kg (in air), TMS 1200 kg (in air), A Frame 17.4 T
Configuration 2	

Configuration 3	
Configuration 4	
Number of containers/Items, Footprint Area required	
Configuration 1	1 X 20' standard height ISO container, LARS 6156mm x 2430mm heigh 3250mm adjacent
Configuration 2	
Configuration 3	
Configuration 4	
Deck securing arrangements	
Configuration 1	Containers twist locked into standard iso 20' + chain ratcheted down, Aframe attached via bolted deck pads or welded pads (weld to dec/bolt to a frame~)
Configuration 2	
Configuration 3	
Configuration 4	
Deck strength/Deck loading	
Configuration 1	
Configuration 2	
Configuration 3	
Configuration 4	
Transportation requirements (total weight and number of loads)	
Configuration 1	25 tons , 2X 20' Loads,
Configuration 2	
Configuration 3	
Configuration 4	
V.A.T. + Customs clearance practice	
Mobilisation Details	
Typical Mobilisation duration	2 days mobilisation
Typical Mobilisation cost	Crane Hire €2500 + truck hire €1500 (Home port).
Typical Demobilisation duration	1 day configuration 1,2,4, 1/2 day config 3
Typical Demobilisation cost	config 1,2,4 Crane Hire €2500, truck hire €1500 (Home port) config 3 truck hire €300, Crane Hire €500
Insurace arrangements	
Own use	Own Use: Full commercial insurance policy. Covered for all risks. (With specific standard Exceptions)
Barter	Barter: Full commercial insurance policy. Covered for all risks (on own policy) * full time system supervisor at least to accompany system
Charter	Charter: Full commercial insurance policy. Covered for all risks (on own policy) * full time system supervisor at least to accompany system
Co-operation	Cooperation: Full commercial insurance policy. Covered for all risks (on own policy) * full time system supervisor at least to accompany system
Transporation insurance	Transportation Insurance: Full commercial insurance policy. Covered for all risks
Technicians	
Number and type of technicians required to operate system in various scenarios	12 hour operations: minimum 3 technicians comprising 1 ROV supervisor,2 pilot/technicians, experience of large ROV systems required for at least these 3 personnell, 24 hour operations : 1 supervisor, 1 shift supervisor, 4 x pilot technicians
System payloads	
Total maximum payload	90 Kgs

Existing specific payloads	SONAR: Super SeaKing DST (300m), Seabird 37 CTD, Slurp Sampler , HLK-HD45 5 funtions & HLK-47000 6 funtions manipulators. 4 x LED torch 17.700lumens 6900ºK, 5 X Cameras (1x HD camera)