



<b>Infrastructure name</b>	Norway
<b>Code</b>	ROTV
<b>Owner/Institution</b>	IMR:MAREANO project
<b>Manager</b>	IMR: Mortensen Pål Buhl (Paalbu@imr.no)
<b>Equipment type</b>	Deep Water Camera
<b>System description</b>	Camerarig for observations of the seafloor, Towed and drop camera systems
<b>WEB LINK</b>	
<b>WEB LINK TECH SPECS</b>	
<b>Vessels normally used</b>	R.V. G.O.Sars (fixed winch) / R.V. Håkon Mosby (portable winch)
<b>Ship requirements</b>	HPR/HiPAP
<b>Technical requirements</b>	Depth rating: max 4000 m, used together with mobile winch with 500 m 2 electrical conductors/1 fiber optical single modus cable.
<b>Power</b>	
Frequency	50Hz
Voltage	230 V (prox 2 kW)
KVA	
Max Amps	
Other power requirements	Transformer secondary voltage: 900V
<b>Hydraulic</b>	
Pressure	
Flow rate	
<b>Compressed air requirements</b>	
Cooling water	
<b>Subsea positioning requirements</b>	
Compatible USBL systems	HPR/HiPAP
<b>Vessel GPS Feed or other requirements</b>	
<b>Networking requirements</b>	
<b>No. of System configurations possible</b>	
Configuration 1	2x 400W HID gaslight, Altimeter(sounder), Depth meter (pressure sensor), main camera(HD SDI)(Pan and Tilt Unit, Kongsberg), Secondary Camera (winch operator), 4x laser, current meter (Aanderaa seaguard)
Configuration 2	
Configuration 3	
Configuration 4	
<b>Deck Layout Drawing</b>	
Configuration 1	N/A
Configuration 2	

Configuration 3	
Configuration 4	
<b>System weight/COG in each configuration</b>	
Configuration 1	800 kg
Configuration 2	
Configuration 3	
Configuration 4	
<b>Number of containers/items, Footprint Area required</b>	
Configuration 1	N/A
Configuration 2	
Configuration 3	
Configuration 4	
<b>Deck securing arrangements</b>	
Configuration 1	Frame attached via bolted/welded pads on deck/strepped on deck.
Configuration 2	
Configuration 3	
Configuration 4	
<b>Deck strength/Deck loading</b>	N/A
Configuration 1	
Configuration 2	
Configuration 3	
Configuration 4	
<b>Transportation requirements (total weight and number of loads)</b>	
Configuration 1	N/A
Configuration 2	
Configuration 3	
Configuration 4	
V.A.T. + Customs clearance practice	
<b>Mobilisation Details</b>	
Typical Mobilisation duration	1 Day
Typical Mobilisation cost	
Typical Demobilisation duration	
Typical Demobilisation cost	
<b>Insurance arrangements</b>	
Own use	
Barter	
Charter	
Co-operation	

Transporation insurance	
<b>Technicians</b>	
Number and type of technicians required to operate system in various scenarios	
<b>System payloads</b>	
Total maximum payload	N/A
Existing specific payloads	