



<b>Infrastructure name</b>	AWI-OFOS (Ocean Floor Observation System)
<b>Code</b>	
<b>Owner/Institution</b>	Alfred Wegener Institute for Polar and Marine Research (AWI)
<b>Manager</b>	Michael Klages (AWI)
<b>Equipment type</b>	Deep Water Camera
<b>System description</b>	Towed camera systems for seafloor observations with laser scalars and altimeter
<b>WEB LINK</b>	
<b>WEB LINK TECH SPECS</b>	
<b>Vessels normally used</b>	R.V. Polarstern
<b>Ship requirements</b>	fiber optic cable, usbl navigation IXSEA posidonia system, board unit Isitec
<b>Technical requirements</b>	
<b>Power</b>	
Frequency	50Hz
Voltage	230 V
KVA	
Max Amps	16 amps fused
Other power requirements	minimum power rating for under water connectors 600V AC
<b>Hydraulic</b>	
Pressure	
Flow rate	
<b>Compressed air requirements</b>	
Cooling water	
<b>Subsea positioning requirements</b>	
Compatible USBL systems	IXSEA posidonia system
<b>Vessel GPS Feed or other requirements</b>	
<b>Networking requirements</b>	
<b>No. of System configurations possible</b>	
Configuration 1	4x LED Multi-SeaLite® Matrix , Altimeter(sounder), Depth meter (pressure sensor), main camera Kongsberg OE14-208, 4x laser, depth rating: max. 6000m
Configuration 2	
Configuration 3	
Configuration 4	
<b>Deck Layout Drawing</b>	
Configuration 1	

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	1,4m x 1m
Configuration 2	
Configuration 3	
Configuration 4	
<b>Deck securing arrangements</b>	
Configuration 1	
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	1 Day
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 1
<b>System payloads</b>
Total maximum payload N/A
Existing specific payloads