



135 m Expedition Cruise Vessel

General:	Concept design of an ultra-luxury expedition cruise vessel for 112 guests. The design features novel solutions including dual helicopter hangar, extendable platforms for the ultimate viewing experience, substantial open spaces and unique interior spaces such as the Crow's Nest in the top of the front mast. The design features a "polar bear" operating mode on batteries, enabling near stealth operation enabling the vessel to get extremely close to wildlife.	
Main Particulars:	Length overall, approx.	134.40 m
	Length p.p	123.67 m
	Breadth, moulded	22.00 m
	Depth to free board deck	7.10 m
	Draught (design)	5.00 m
	Deadweight approx.	2,100 t
Capacity:	Guests	112 pax
	Crew	63 pers
	Expedition staff	22 pers
Speed:	Service	16.50 kn
Machinery and Equipment:	Diesel main engines	MAN 6L32/44CR
	Installed power	7,200 kW
	Aux. power	MAN 5L21/31, 2,000 kW
Miscellaneous:	Classification	LR
	Notation	+1A1 Passenger ship, Ice Class PC6, *IWS, FDA ICE, CM, PCAC 2, LMC, UMS, PSMR, SRtP, Helideck
Scope of Work:	Concept Design Hull form Stability analysis including Polar Code Machinery arrangement including evaluation of propulsion systems Speed/power prediction Outline specification 3D renderings and presentations	
Ref. No.:	KEH 16047.01	